

20020809.qrp v02_n642.qrl.20020809

Date: Fri, 9 Aug 2002 19:03:06 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2642

QRP-L Digest 2642

Topics covered in this issue include:

- 1) [131776] WA3WSJ on AT in PA with K1
by "Ron Polityka" <wb3aal@fast.net>
- 2) [131777] Re: WA3WSJ on AT in PA with K1
by "Ron Polityka" <wb3aal@fast.net>
- 3) [131778] Re: Help with mystery parts? : FAST current regulator
by "Mike Yetko" <myetsko@insydesw.com>
- 4) [131779] Dipole >?<
by William K Penhallegon <w4stx@juno.com>
- 5) [131780] [CONTEST] N2CQ QRP Contest Calendar Aug 8 - 31
by "Ken Newman" <n2cq@dandy.net>
- 6) [131781] 200 kc vxo?
by "Tracy Markham" <tracy@bytemark.com>
- 7) [131782] Magnetic Loop Antenna Facts
by "Steve Yates - AA5TB" <aa5tb@arrl.net>
- 8) [131783] End feeding a dipole
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 9) [131784] Mystery Part - #2
by "blinn" <blinn@smgazette.com>
- 10) [131785] Motorola Speaker
by "bob baxter" <rbaxter@cybertrails.com>
- 11) [131786] RE: Dipole >?<
by Karl Kanalz <kkanalz@gcecispc.com>
- 12) [131787] Re: Dipole >?<
by "Steve Yates - AA5TB" <aa5tb@arrl.net>
- 13) [131788] Re: End Fed Dipole FAILS
by "Steve Yates - AA5TB" <aa5tb@arrl.net>
- 14) [131789] Re: Dipole >?<
by "w8diz" <w8diz@fpqrp.com>
- 15) [131790] Clothes Line Antenna
by "Dave Richards" <wr3i@earthlink.net>
- 16) [131791] Re: End feeding a dipole
by "Steve Yates - AA5TB" <aa5tb@arrl.net>
- 17) [131792] Older headphones
by "TC Dufresne" <tdufresne@neb.rr.com>
- 18) [131793] 1SV149 Data Sheet
by "James R. Duffey" <jamesd1@flash.net>
- 19) [131794] RE: Clisby Vertical Milling Machine and Lathes

- by "AI2Q Alex" <ai2q@adelphia.net>
- 20) [131795] Re: Directional Antenna for HF.
by brickle <brickle@pobox.com>
- 21) [131796] FOX Gezz
by "Karl F. Larsen" <k5di@zianet.com>
- 22) [131797] Re: KL7/K0EVZ visit to Alaska and to AL7FS - with photos
by "James R. Duffey" <jamesd1@flash.net>
- 23) [131798] Re: Mystery Part - #2
by David Hinerman <WD8CIV@worldnet.att.net>
- 24) [131799] FOX: Truffle
by "Tom Palmer" <n1tp@swfla.rr.com>
- 25) [131800] Re: End Fed Dipole FAILS
by "Karl F. Larsen" <k5di@zianet.com>
- 26) [131801] Re: End feeding a dipole
by "Karl F. Larsen" <k5di@zianet.com>
- 27) [131802] ROCK MITE tonite...
by "ss lyon" <sslyon@megalink.net>
- 28) [131803] ZM-2 Tuner SOLD
by "N3BJ" <N3BJ@hotmail.com>
- 29) [131804] Re: Mystery Part - #2
by "Mike Yetzsko" <myetsko@insydesw.com>
- 30) [131805] Fox- Loud here tonight
by Paul Womble <pwomble1@tampabay.rr.com>
- 31) [131806] RE: Clothes Line Antenna
by Karl Kanalz <kkanalz@gcecispc.com>
- 32) [131807] FOX Got one but...
by "Karl F. Larsen" <k5di@zianet.com>
- 33) [131808] FOX Alan and beams
by "Karl F. Larsen" <k5di@zianet.com>
- 34) [131809] FOX - Bagged both -- STRONG!
by Bill Coleman <aa4lr@arrl.net>
- 35) [131810] Re: 1SV149 Data SHeet
by "Brad Hernlem" <alihernlem@hotmail.com>
- 36) [131811] Re: Clisby Vertical Milling Machine and Lathes
by "Tim, N9PUZ" <n9puz@arrl.net>
- 37) [131812] RE: End feeding a dipole
by Nick Kennedy <nkennedy@tcainet.net>
- 38) [131813] RE: Dipole >?<
by Nick Kennedy <nkennedy@tcainet.net>
- 39) [131814] Re: Clisby Vertical Milling Machine and Lathes
by "Brice D. Hornback" <bdh@cyberbound.net>
- 40) [131815] ROCK-MITE Hunting Re: ROCK MITE tonite...
by "Rod N0RC" <rod@n0rc.us>
- 41) [131816] Re: FOX Got one but...
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 42) [131817] RE: Clisby Vertical Milling Machine and Lathes
by "Tim, N9PUZ" <n9puz@arrl.net>
- 43) [131818] Surplus Parts

by "Brian" <brian@iquest.net>

44) [131819] Re: End Fed Dipole FAILS
by "Steve Yates - AA5TB" <aa5tb@arrl.net>

45) [131820] ROCK MITE, Simply a great kit
by "Doug Hendricks" <ki6ds@dph.dpol.net>

46) [131821] RE: Dipole >?< [5 lbs and doublet]
by Chuck Carpenter <w5usj@9plus.net>

47) [131822] FOX: Happy Dance!
by "Trevor Jacobs" <kg6cyn@earthlink.net>

48) [131823] Re: Clothes Line Antenna
by Jim Larsen - AL7FS <AL7FS@arrl.net>

49) [131824] re: Directional Antenna for HF
by Michael Babineau <michael.babineau@sympatico.ca>

50) [131825] Re: ROCK MITE, Simply a great kit
by George Fremin III - K5TR <geoiii@kkn.net>

51) [131826] Fox K0FRP
by "Al Dawkins" <alk0frp@attbi.com>

52) [131827] UPDATED: the Rock-Mite files
by "Rod N0RC" <rod@n0rc.us>

53) [131828] Re: Clisby Vertical Milling Machine and Lathes
by "Rob Matherly" <w0jrm@arrl.net>

54) [131829] Re: Clisby Vertical Milling Machine and Lathes
by "Rob Matherly" <w0jrm@arrl.net>

55) [131830] Re: Clisby Vertical Milling Machine and Lathes
by George Gingell <k3tks@u1.abs.net>

56) [131831] FOX: Audio Clips Updated
by "Trevor Jacobs" <kg6cyn@earthlink.net>

57) [131832] Re: The Mighty Rock Mite!
by Nelson Winter <thenels@go.com>

58) [131833] KB0LUR Truffle log 8/8/02
by "P.Ermisch" <ermisch@usa.net>

59) [131834] Re: Clisby Vertical Milling Machine and Lathes
by wb4mnf <wb4mnf@atl.org>

60) [131835] So You Want To Be A Builder, Huh? (Update of What Kit To Build)
Part 1
by "Doug Hendricks" <ki6ds@dospalos.org>

61) [131836] Re: So You Want To Be A Builder, Huh? (Update of What Kit To Build)
Part 1
by K5BDZ@aol.com

62) [131837] Re: Random Wire vs. Magnetic Loop in Apartment
by Nelson Winter <thenels@go.com>

63) [131838] Re: End feeding a dipole
by "John Moriarity" <k6qq@hdo.net>

64) [131839] RE: Clisby Vertical Milling Machine and Lathes
by "Leon Heller" <leon_heller@hotmail.com>

65) [131840] Re: Clisby Vertical Milling Machine and Lathes
by "Leon Heller" <leon_heller@hotmail.com>

66) [131841] Re: The Mighty Rock Mite!

by "w8diz" <w8diz@fpqrp.com>
67) [131842] Dipole >?< "end fed"
by John R Kirby <n3aaz-qrp@juno.com>
68) [131843] Re: Directional Antenna for HF [W3FF BuddiPole]
by Chuck Carpenter <w5usj@9plus.net>
69) [131844] Using the Taig lathe
by "Leon Heller" <leon_heller@hotmail.com>
70) [131845] Re: Clisby Vertical Milling Machine and Lathes
by Dave Marling <ve1vq@auracom.com>
71) [131846] RE: Dipole >?<
by "Steve Yates - AA5TB" <aa5tb@arrl.net>
72) [131847] Re: Random Wire vs. Magnetic Loop in Apartment
by Alex <kr1st@amsat.org>
73) [131848] RE: Help with mystery parts? : FAST current regulator
by "Upton, Shawn" <SUpton@allegromicro.com>
74) [131849] RE: Dipole >?<
by "Steve Blary" <steve@eclipsecat.com>
75) [131850] Re: Clisby Vertical Milling Machine and Lathes
by "Randy Randall" <RANDALLR@healthall.com>
76) [131851] Rock-Mite: AAiMY & N0RC to attempt LD QSO
by "Rod N0RC" <rod@n0rc.us>
77) [131852] Re: End Fed Dipole FAILS
by W2AGN <w2agn@w2agn.net>
78) [131853] Re: Dipole >?<
by Ed Lawson <k1vp@grizzly.com>
79) [131854] RE: Dipole >?<
by "Steve Blary" <steve@eclipsecat.com>
80) [131855] RE: [CQCLIST] Altoids tins available
by "Mugleston, Brad" <brad.mugleston@gwl.com>
81) [131856] Altoids tins available
by "Rod N0RC" <rod@n0rc.us>
82) [131857] truffle log clarification
by "P.Ermisch" <ermisch@usa.net>
83) [131858] Re: Dipole >?<
by Ed Lawson <k1vp@grizzly.com>
84) [131859] RE: Dipole >?<
by Nick Kennedy <nkennedy@tcainternet.com>
85) [131860] Re: Dipole >?<
by Bruce Muscolino <w6toy@erols.com>
86) [131861] RE: Dipole >?<
by "Steve Blary" <steve@eclipsecat.com>
87) [131862] RE: Dipole >?<
by "Steve Blary" <steve@eclipsecat.com>
88) [131863] Re: ROCK-MITE Hunting Re: ROCK MITE tonite...
by Steven Weber <kd1jv@moose.ncia.net>
89) [131864] Rock'en Rock Nite's
by Steven Weber <kd1jv@moose.ncia.net>
90) [131865] DK9SQ mast repair question

- by mparkes@att.net
- 91) [131866] Now Showing - The ARS Sojourner
by Richard Fisher <ki6sn@yahoo.com>
 - 92) [131867] Re: Rock-Mite: AA1MY & N0RC to attempt LD QSO
by "Rod N0RC" <rod@n0rc.us>
 - 93) [131868] Re: Dipole >?<
by David Hinerman <WD8CIV@worldnet.att.net>
 - 94) [131869] Re: Rock'en Rock Nite's
by "Rod N0RC" <rod@n0rc.us>
 - 95) [131870] Re: Clisby Vertical Milling Machine and Lathes
by "pschweit" <pschweit@mninter.net>
 - 96) [131871] Smith Chart
by "Karl F. Larsen" <k5di@zianet.com>
 - 97) [131872] SL560 RF amplifier
by "Leon Heller" <leon_heller@hotmail.com>
 - 98) [131873] Ten Tec 208 CW Filter
by Marv Fagenson <k6hcj@juno.com>
 - 99) [131874] Re: Clisby Vertical Milling Machine and Lathes
by "Brice D. Hornback" <bdh@cyberbound.net>
 - 100) [131875] Re: DK9SQ mast repair question
by "Thomas Tate" <t.r.tate@worldnet.att.net>
 - 101) [131876] OT: Good Mobile Antenna for QRP
by "Robin Kidd" <robink@us.ibm.com>
 - 102) [131877] Re: [CQCLIST] Altoids tins available
by Bob Nielsen <nielsen@oz.net>
 - 103) [131878] Inverted Vee with single wire feedline
by Goran Hosinsky <hosinsky@jet.es>
 - 104) [131879] DSWTUN95 release 2.02 now on-line
by "Bill, N4QA" <n4qa@hotmail.com>
 - 105) [131880] Re: DK9SQ mast repair question
by "Joe Roof" <jroof@mindspring.com>
 - 106) [131881] RE: DK9SQ mast repair question
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
 - 107) [131882] Re: DK9SQ mast repair question
by "Thomas Tate" <t.r.tate@worldnet.att.net>
 - 108) [131883] FS:Like new SWR Analyzer
by "Kenneth Stovel" <k2mpd@worldnet.att.net>
 - 109) [131884] Re: Smith Chart
by "Pederson, Glenn" <gpeder@elnet.com>
 - 110) [131885] N7RVD
by ARDUJENSKI@aol.com
 - 111) [131886] Re: Dipole >?<
by Bruce Muscolino <w6toy@erols.com>
 - 112) [131887] Wanted: SW20 , problem rig OK
by "Alan Fryer" <N3BJ@hotmail.com>
 - 113) [131888] RE: DK9SQ mast repair question
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
 - 114) [131889] Totally Off topic Query About Something I saw on the East Coast

by "Doug Hendricks" <ki6ds@dph.dpol.net>
115) [131890] re Milling Machines and Lathes
by "Charles W3KC" <w3kc@starpower.net>
116) [131891] Re: DK9SQ mast repair question
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
117) [131892] RE: About Something I saw on the East Coast
by Karl Kanalz <kkanalz@gcecispc.com>
118) [131893] AA1MY, was that your Rock-mite last night?
by "Howard Kraus" <K2UD@adelphia.net>
119) [131894] 222 converter?
by "Tracy Markham" <tracy@bytemark.com>
120) [131895] Re: Totally Off topic Query About Something I saw on the East Coast
by "Charles W3KC" <w3kc@starpower.net>
121) [131896] Re: OT: Good Mobile Antenna for QRP
by Bill ROWLETT <kc4atu@yahoo.com>
122) [131897] Re: Inverted Vee with single wire feedline
by Bill ROWLETT <kc4atu@yahoo.com>
123) [131898] Re: AA1MY, was that your Rock-mite last night?
by "ss lyon" <sslyon@megalink.net>
124) [131899] Re: Dipole >?<
by Dave Hottell <hottell@gulftel.com>
125) [131900] RE: [Elecrafft] Motorola Speaker
by "Bob Tellefsen" <n6wg@earthlink.net>
126) [131901] WTB: SST
by "Alan Fryer" <N3BJ@hotmail.com>
127) [131902] WTB:
by "johngabbard" <johngabbard@usintouch.com>
128) [131903] Re: Totally Off topic Query About Something I saw on the East Coast
by "Doug Hauff" <dhauff@digitalputty.com>
129) [131904] Rock Mite Enclosures!
by "Doug Hauff" <dhauff@digitalputty.com>
130) [131905] RE: Rock Mite Enclosures!
by "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>
131) [131906] RE: Rock Mite Enclosures!
by Conrad Weiss <radman@best.com>
132) [131907] Re: Rock Mite Enclosures!
by "Karl F. Larsen" <k5di@zianet.com>
133) [131908] Re: UPDATED: the Rock-Mite files
by Nelson Winter <thenels@go.com>
134) [131909] Re: OT: Good Mobile Antenna for QRP
by "Karl F. Larsen" <k5di@zianet.com>
135) [131910] NH AT, SATURDAY
by Steven Weber <kd1jv@moose.ncia.net>
136) [131911] FS: & WTB: Kenwood CW Filters
by Wayne AA5JJ <aa5jj@yahoo.com>
137) [131912] FOX: N0UR
by "Jim N0UR" <n0ur@attbi.com>
138) [131913] Re: 222 converter?

by Dave Richards <wr3i@earthlink.net>
139) [131914] Re: OT: Good Mobile Antenna for QRP
by John Wagner <john@wagner-usa.net>
140) [131915] 'Mite Enclosures: J.C. On Roller Skates! Now I've done it!
by "Doug Hauff" <dhauff@digitalputty.com>
141) [131916] Re: Rock Mite Enclosures!
by Lew Paceley <lew@paceley.com>
142) [131917] Re: Dipole >?< "end fed"
by Jim Campbell <jim-c@nc.rr.com>
143) [131918] RE: Totally Off topic... (Put 'n Take) ...
by Conrad Weiss <radman@best.com>

Date: Thu, 8 Aug 2002 19:03:53 -0400
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@lehigh.edu>, ". NJ QRP-L" <njqrp@njqrp.org>
Subject: [131776] WA3WSJ on AT in PA with K1
Message-ID: <004d01c23f2f\$e47857a0\$67615cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

I just talked to Ed, WA3WSJ on 7.040.5 at his camp on the Appalachian Trail in PA. He is located at the Allentown Shelter for the night.

He is using his K1 @ 3 watts. He will be on the air calling CQ for a while.

Good Luck!

72
Ron de WB3AAL
www.n3epa.org/

Date: Thu, 8 Aug 2002 19:08:08 -0400
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@lehigh.edu>, <njqrp@njqrp.org>
Subject: [131777] Re: WA3WSJ on AT in PA with K1
Message-ID: <005b01c23f30\$765a3a80\$67615cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I worked him at 22:52 UTC

----- Original Message -----

From: "Ron Polityka" <wb3aal@fast.net>

> Hello,
>
> I just talked to Ed, WA3WSJ on 7.040.5 at his camp on the Appalachian Trail
> in PA. He is located at the Allentown Shelter for the night.
>
> He is using his K1 @ 3 watts. He will be on the air calling CQ for a while.
>
> Good Luck!
>
> 72
> Ron de WB3AAL
> www.n3epa.org/

Date: Thu, 8 Aug 2002 19:09:05 -0400

From: "Mike Yetsko" <myetsko@insydesw.com>

To: <hubert.smits@btinternet.com>,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [131778] Re: Help with mystery parts? : FAST current regulator

Message-ID: <00b101c23f30\$99371820\$0300a8c0@charter.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Test or Test to destruction?

Big difference...

First, I'd find their 'zener' voltage. Or the point at which the diodes break down with reverse voltage. I'd start with a 12v (or a variable) supply, and put a 10K or so resistor in series with the diode (reversed biased) to ground. See what voltage you read across only the diode. If it's close to your 12v, boost the voltage and try again. What you're looking for is the diode turning in and limiting the voltage.

If you find that the voltage varies (as you go higher and higher above the zener point) try reducing the resistor to boost the current for your test.

Once you find the zener voltage, then you can decide if you want to 'test to destruction' by setting up a circuit to see how much current you can put through the things. But usually you can get a good idea of the wattage by size...

Mike

Date: Thu, 8 Aug 2002 19:24:47 -0400
From: William K Penhallegon <w4stx@juno.com>
To: qrp-l@lehigh.edu
Subject: [131779] Dipole >?<
Message-ID: <20020808.192523.-739143.1.w4stx@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My 1996 ARRL handbook (page 20.4) says
"A fundamental form of antenna is a wire whose length is half the transmitting wavelength. It is the unit from which many more complex forms of antennas are constructed and is known as a dipole antenna."

Can't you attach one end of this half-wave length wire to your tuner and call it an end-fed dipole?

72
Bill W4STX

Date: Thu, 8 Aug 2002 19:27:08 -0400
From: "Ken Newman" <n2cq@dandy.net>
To: "W3BG" <W3BG@arrl.net>, "N4SO" <N4SO@Juno.com>,
"QRP-L Reflector" <QRP-L@lehigh.edu>,
Subject: [131780] [CONTEST] N2CQ QRP Contest Calendar Aug 8 - 31
Message-ID: <002f01c23f33\$1ee066a0\$d79efa42@18.95.182.twon1.md.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

~~~~~  
N2CQ QRP CONTEST CALENDAR

August 8-31, 2002

~~~~~  
Summer Fox Hunts - 20 M CW QRP - Fri 0200z

(Thursday Evenings US Local Time)

Details: <http://www.cqc.org/fox/index.htm>

=====

Truffle Hunt 30 minutes before the Fox Hunt

Details: <http://fpqrp.com/struffle.html>

~~~~~  
Worked All Europe DX Contest (CW) ... <100W category

Aug 10 - 0000z to Aug 11 - 2400z

Rules: <http://www.darc.de/referate/dx/fedcw.htm>

"THE most challenging DX contest in the world..."

~~~~~  
Maryland/DC QSO Party (SSB/CW) ... QRP Category

Aug 10 - 1600z to Aug 11 - 0400z

Aug 11 - 1600z to Aug 11 - 2359z

Rules: <http://www.w3cwc.org/rules.html>

"Work MD Counties. More points for QRP stations worked"

~~~~~  
North American QSO Party (SSB) ... 100W or less. (QRP noted on entry)

Aug 17 - 1800z to Aug 18 - 0600z

Rules: <http://www.ncjweb.com/naqprules.php>

"Work Any North American Station - QRP Entries noted on results"

~~~~~  
NJ QSO Party (CW/SSB)

Aug 17 - 2000z to Aug 18 - 0700z

Aug 18 - 1300z to Aug 19 - 0200z

Rules: <http://www.sk3bg.se/contest/njqp.htm>

"Work NJ Counties"

~~~~~  
Hawaii QSO Party (CW/SSB/Digital)

Aug 24 - 0700z to Aug 25 - 2200z

Rules: <http://www.arrl.org/contests/months/aug.html>

"QRP Category Gone"

~~~~~  
TOEC WW Grid Contest (CW) ... <100W category

Aug 24 - 1200z to Aug 25 - 1200z

Rules: <http://www.qsl.net/toec/contest.htm>

"Boost the interest on grid hunting on the HF bands"

~~~~~  
Ohio QSO Party (CW/SSB) ... QRP Category

Aug 24 - 1600z to Aug 25 - 0400z

Rules: <http://www.mrrc.net/oqprules/>

"Work OH Counties"

BUBBA Summer QRP Sprint \*\*\* QRP CONTEST! \*\*\*

Aug 24 - 1800z to 2200z

Rules: <http://www.extremezone.com/~nk7m/>

"BURN YOUR B\_\_\_ OFF "

~~~~~

Colorado QRP Club - Summer QSO Party (SSB/CW) *** QRP CONTEST! ***

Aug 25 - 1800z to 2359z

Rules: <http://www.cqc.org/contests/summer02.htm>

"Single Band, Multi-band & Portable Categories"

~~~~~

YO DX HF Contest (CW/SSB)

Aug 31 - 1200z to Sep 1 - 1200z

Rules: [http://www.qsl.net/yo3kaa/contests/yodx\\_eng.htm](http://www.qsl.net/yo3kaa/contests/yodx_eng.htm)

"Work Any DX"

~~~~~

Thanks to SM3CER, WA7BNM, ARRL and others
for assistance in compiling this calendar.

Please foreward the contest info you sponsor to N2CQ@ARRL.NET and
we will post it and give it more publicity.

Anyone may use this "N2CQ QRP Contest Calendar" for your website,
newsletter, e-mail list or other media as you choose.

(Include a credit to the source of this material of course.)

**** QRP Contest Calendar ****

<http://www.njqrp.org/data/contesting.html>

<http://www.n3epa.org/Pages/Contest/contest.htm>

72 de

Ken Newman - N2CQ

N2CQ@ARRL.NET

Date: Thu, 8 Aug 2002 16:25:54 -0700
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [131781] 200 kc vxo?
Message-ID: <GNEOLGDJDJOPEALHJMKLCOEJCCIAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

<http://www.bliley.net/XTAL/Variables.html>
<http://www.bliley.net/XTAL/docs/patents/2240449/index.html>

Are you on this list, Mr. Bliley? (K3NAU)
Mr. Wolfskill? (W3QKT)

Anyone seen / read / messed with these guys' stuff?

The 200 kc unit was patented in 1941!!!

Just had to pass this along
Tracy N4LGH

Date: Thu, 8 Aug 2002 18:40:49 -0500
From: "Steve Yates - AA5TB" <aa5tb@arrl.net>
To: "QRP-L Distribute" <qrp-l@lehigh.edu>
Subject: [131782] Magnetic Loop Antenna Facts
Message-ID: <000c01c23f35\$081055a0\$aa36a6d8@texas.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Given the interest magnetic loop interest again here on QRP-L I thought I would point out some facts to keep in mind when considering a small magnetic loop antenna.

1. They are good performers for their size, even indoors.
2. Usually have a better signal to noise ratio on receive when compared to

more conventional antennas. Less susceptible to E-fields in the near-field.

3. They exhibit deep but useful nulls perpendicular to the plane of the loop useful for nulling out local RFI.

4. Can operate with a useable frequency range of up to a 3:1 frequency ratio.

5. They have a very narrow bandwidth for a given setting that can be a nuisance when tuning a band but an advantage for simple receivers with poor front-ends. The antenna acts like a front-end preselector or bandpass filter. I've placed a 1N34 diode at the feed point before and used one as a crystal radio!

6. Difficult to construct for high power use due to the very high voltage developed across the tuning capacitor (who cares, right?).

7. Their efficiency is directly related to the conductor diameter of the main loop. A wire loop (as opposed to copper tubing) has relatively poor efficiency but can still perform surprisingly well (ref. <http://www.qsl.net/g4fon/> and <http://www.g3ycc.karoo.net/rock.htm>).

8. Efficiency is also directly related to the loop diameter, however, if the loop is made too big ($> 0.1 - 0.25$ wavelength circumference) the useful null is eliminated.

9. If you can put an outside antenna up 30 feet a small loop will not have any advantage with respect to efficiency. If you are limited to an indoor antenna at ground level then they are very hard to beat however.

10. They are difficult to take portable because any effort (I know of) that is made to make them collapsible, foldable, etc. creates efficiency problems. In this case it may be best to accept the losses of a wire loop rather than introduce even greater losses from resistance at connections.

11. First time builders often have difficulty making them play due to the low resistivity requirements of ALL connections and the very narrow bandwidth. Until one gets a feel for the antenna it can be very difficult to find the resonant frequency and if you're not at that frequency the antenna will look like a short!

12. Given that the radiation resistance of a magnetic loop antenna can be in the few hundred's of milliohms region, any connection or conductor that has greater than a few ten's of milliohms resistance can seriously reduce the overall efficiency.

I have more information on my page at <http://aa5tb.home.texas.net/loop.html>
. Be sure to check out the many other small loop antenna links that I have

at the bottom of the page.

73,

Steve Yates - AA5TB

Fort Worth, TX EM12hu

<http://aa5tb.home.texas.net/>

Date: Thu, 8 Aug 2002 18:40:09 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "John R Kirby" <n3aaz-qrp@juno.com>
Cc: <qrp-l@lehigh.edu>
Subject: [131783] End feeding a dipole
Message-ID: <018701c23f34\$ee8925d0\$4e100a0a@rohredt2000>

Either of two cases: half wave of wire, going directly to a parallel tuned tank which then is tapped to 50 ohm point to rig, or link coupled at 50 ohms to rig.

Or, Zepp feed, so called after the dirigible antennas of prewar Germany. (Zeppelin).

This is a half wave of wire, with a balanced feeder connected at one end with antenna to one side only of feeder. Other feeder side floated on an insulator, at a high impedance. Length of line determined to what extent the feeder also radiated since currents could be unbalanced.

L. B. Cebik found however, that the current imbalance of end fed Zepp might be only 10 per cent.

You may end up with an effective inverted L using this method or not. Today, this type of feed is more popularly found on the VHF J Pole antenna! 72, Stuart K5kVH

Date: Thu, 8 Aug 2002 16:44:25 -0700
From: "blinn" <blinn@smgazette.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131784] Mystery Part - #2
Message-ID: <011101c23f35\$87dcb440\$d38aa242@blinn>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anybody know what this little jewel might be?

Labeled on the PC board as IS01 ..

On chip, 5N33 or could be 6N33.. and 9432? (? could be a 3 or 8) This number is followed by a backwards R with the straight spine formed into a U. (RU, with backwards R, apparently a Mfg.'s logo.)

Could this be an optoisolator of some sort? It is a flat chip pkg. with three legs on each side, like the LM386 but just a six pin chip.

I'm trying to figure out if the thing is functioning properly. It is on an exhaust fan control board.

Thanks,

Bill - WA7TQK

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.365 / Virus Database: 202 - Release Date: 5/24/02

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Date: Thu, 8 Aug 2002 16:52:32 -0700
From: "bob baxter" <rbaxter@cybertrails.com>
To: "Elecrafft" <elecrafft@mailman.qth.net>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [131785] Motorola Speaker
Message-ID: <010101c23f36\$a3e040\$4f142aa2@bobbaxte>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I need some help, folks. I received a Motorola amplified speaker today and am trying to figure out what goes where. It has a seven wire plug and so far I've figured out black and brown are ground and maybe red is 12V, but that leaves blue, white, green, and orange. I need audio in and volume pot connections. Anybody have any ideas? TIA

Bob Baxter AA7EQ
Bisbee, Az.

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.380 / Virus Database: 213 - Release Date: 7/24/2002

Date: Thu, 8 Aug 2002 18:48:13 -0500
From: Karl Kanalz <kkanalz@gcecispc.com>
To: "'w4stx@juno.com'" <w4stx@juno.com>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131786] RE: Dipole >?<
Message-ID: <01C23F0D.778C3FC0@KKANALZ>

No, Bill, you can't, because this antenna has only ONE "pole" (i.e., a monopole), but a piece of wire whose length is half the transmitting wavelength can be split into TWO pieces and fed at the center (i.e., at the "cut" point) which thus forms a "... more complex form of antenna...." known as a DIPOLE.

You can, of course, connect a half-wavelength of wire to your tuner and call it an end-fed antenna, but you can't call it an "end-fed dipole".

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: William K Penhallegon [SMTP:w4stx@juno.com]
Sent: Thursday, August 08, 2002 6:25 PM
To: Low Power Amateur Radio Discussion
Subject: Dipole >?<

My 1996 ARRL handbook (page 20.4) says
"A fundamental form of antenna is a wire whose length is half the transmitting wavelength. It is the unit from which many more complex forms of antennas are constructed and is known as a dipole antenna."

Can't you attach one end of this half-wave length wire to your tuner and call it an end-fed dipole?

72
Bill W4STX

Date: Thu, 8 Aug 2002 19:00:34 -0500
From: "Steve Yates - AA5TB" <aa5tb@arrl.net>
To: "QRP-L Distribute" <qrp-l@lehigh.edu>
Subject: [131787] Re: Dipole >?<
Message-ID: <001201c23f37\$c9e56380\$aa36a6d8@texas.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Rick,

Actually, in the most circles the word "dipole" refers to how many electric poles an antenna has, not how many physical "poles" it has. A dipole is a dipole no matter where it gets fed. For instance, a typical J-Pole antenna is an end-fed dipole.

If a balanced (two physical "pole") antenna is something other than a half-wavelength long then it is usually considered a doublet, not a dipole. Of course slang over the years has muddled the waters considerably.

A true "Zepp" antenna is a dipole that is a half-wavelength long by definition but fed at the high voltage point (the end). Anything else is a probably a random wire unless configured as a true longwire.

See <http://aa5tb.home.texas.net/efha.html>

73,
Steve Yates - AA5TB

Fort Worth, TX EM12hu
<http://aa5tb.home.texas.net/>

Date: Thu, 8 Aug 2002 19:07:55 -0500
From: "Steve Yates - AA5TB" <aa5tb@arrl.net>
To: "QRP-L Distribute" <qrp-l@lehigh.edu>
Subject: [131788] Re: End Fed Dipole FAILS
Message-ID: <001601c23f38\$d08e4b60\$aa36a6d8@texas.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi Karl,

Your end-fed 44 foot "dipole" "failed" because it wasn't a dipole. It would have to be a half-wavelength long to be a dipole. If not, considerable common-mode currents will exist on your feedline as you have found.

Actually, I wouldn't call your experiment a failure since you've discovered the above.

73,

Steve Yates - AA5TB

Fort Worth, TX EM12hu

<http://aa5tb.home.texas.net/>

Date: Thu, 8 Aug 2002 20:11:03 -0400
From: "w8diz" <w8diz@fpqrp.com>
To: <qrp-l@lehigh.edu>
Subject: [131789] Re: Dipole >?<
Message-ID: <002301c23f39\$409a3950\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I believe the definition of a "pole" in reference to antennae is a quarter wave circuit along a conductor (min to max current).

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39.218N - 84.305W
SOC-8 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 10X-9389 CATT-26
FP#-1 <http://home.cinci.rr.com/w8diz> & <http://kitsandparts.com>

Date: Thu, 8 Aug 2002 20:13:33 -0400
From: "Dave Richards" <wr3i@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131790] Clothes Line Antenna
Message-ID: <FAEEKPCBNNDNKGMPIBKCEHNCFAA.wr3i@earthlink.net>

I have just moved into a new home and There is a long clothes line out Back I seem to remember an article some where that use a clothes line replaced with Wire and was fed at bottom of the lower wire of the pulleys and by adjusting the pulley the feed line was moved in and out to resonate on various Frequencies. I am going to assume that it was fed with a single wire and acted like an adjustable Window. The problem is I cant remember the details and don't have the article so if any one has thought about the validity of this please give feed back

Thanks

Dave

WR3I

Date: Thu, 8 Aug 2002 19:20:47 -0500
From: "Steve Yates - AA5TB" <aa5tb@arrl.net>
To: "QRP-L Distribute" <qrp-l@lehigh.edu>
Subject: [131791] Re: End feeding a dipole
Message-ID: <001a01c23f3a\$9cfbdcc0\$aa36a6d8@texas.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Stuart,

Good post. I would just like to add for everyone...

You said "L. B. Cebik found however, that the current imbalance of end fed Zepp might be only 10 per cent."

This "current imbalance" should be no different when using a more modern end-feed halfwave coupler and coax cable and hence the reason little or no "counterpoise" is required for proper operation, contrary to popular belief. This reasoning excludes the possibility of un-wanted mutual coupling of the feedline within the near-field in some situations.

Personal references:

<http://aa5tb.home.texas.net/efha.html>

<http://aa5tb.home.texas.net/coupler.html>

<http://aa5tb.home.texas.net/halfwave.html>

73,
Steve Yates - AA5TB

Fort Worth, TX EM12hu
<http://aa5tb.home.texas.net/>

Date: Fri, 9 Aug 2002 00:25:45 +0100
From: "TC Dufresne" <tdufresne@neb.rr.com>
To: <qrp-1@lehigh.edu>
Subject: [131792] Older headphones
Message-ID: <00b901c23f32\$ec9b2360\$d3b61c41@neb.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a few pairs of old headphones (Trimm) and want to "get 'em going"
again. How do I fix shorts?
Does anyone sell this old fabric wire they used?
Tom
KC0GXX

Date: Thu, 08 Aug 2002 18:28:07 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-1@lehigh.edu>
Subject: [131793] 1SV149 Data SHeet
Message-ID: <B97868B6.1AD95%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

The Toshiba data sheet (pdf) for the 1SC149 varaible capacitance diode that
is to be used for tuning the NorCal contest VCO can be found at:

<http://www.jmnic.com/pdf/1sv149.pdf>

- Dr. Megacycle KK6MC/5
--
James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Thu, 8 Aug 2002 21:00:21 -0400
From: "AI2Q Alex" <ai2q@adelphia.net>
To: <bdh@cyberbound.net>,
 "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [131794] RE: Clisby Vertical Milling Machine and Lathes
Message-ID: <000001c23f40\$23f34ec0\$6401a8c0@alex>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This discussion is interesting, but these comments assume one already knows how to use a lathe or milling machine. I for one, do not, but would very much like to learn. How do I proceed?

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Brice D. Hornback
Sent: Thursday, August 08, 2002 6:48 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Clisby Vertical Milling Machine and Lathes

Exactly! Like I said, the Clisby Miniature Machines are precision manufactured from aircraft quality, (6061 temper 6) aluminum by Clisby Design Engineering in Adelaide, South Australia. The factory uses state-of-the-art CNC machines to produce the world's finest miniature machine tools.

.....

Date: Thu, 08 Aug 2002 20:12:24 -0400
From: brickle <brickle@pobox.com>
To: qrp-l@lehigh.edu
Subject: [131795] Re: Directional Antenna for HF.
Message-ID: <3D5308E8.2D83E8E7@pobox.com>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

ss lyon wrote:

> ...you can build a non-trap/loaded
> array by simply drooping the ends instead of going with shortened elements.
> Works like a charm, nothing to buy and easy to build.

Yes indeed.

By pure coincidence, I happen to have been modeling a bunch of shortened dipoles based on a pair of 12' telescoping fiberglass poles. The arrangement that has (12+12)' horizontal span with 6' dangling straight down at each end, up 21' over typical ground, fed with 300 ohm twinlead, looks really pretty good. It loads up nicely on 30 through 15. The pattern is just OK on 30, but starts to exhibit nice low-angles on 20 and up.

Couldn't get much simpler. There's also a promising yagi design with a single director that works about as expected on 20, but also shows a little directivity on 17 and 15. The element separation is about 9'. Worth trying, maybe, anyway.

73
Frank
AB2KT

Date: Thu, 8 Aug 2002 20:07:47 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [131796] FOX Gezz
Message-ID: <Pine.LNX.4.44.0208082004370.1783-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm listening with my 6 element beam at 60 feet for either fox.
I can hear the hounds but no Fox! My beam is north and I'm near El Paso TX. One of you who worked him please a frequency and I just listen and hope he pops out of the noise. Lots of QRM from guys calling CQ and the Fist operators.

--
Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Thu, 08 Aug 2002 20:09:31 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-1@lehigh.edu>
Subject: [131797] Re: KL7/K0EVZ visit to Alaska and to AL7FS - with photos
Message-ID: <B978807A.1AF30%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Jim - What happened to the SB-102 (101?) ? - Duffey

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Thu, 08 Aug 2002 21:20:38 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-1@Lehigh.EDU
Subject: [131798] Re: Mystery Part - #2
Message-ID: <5.1.0.14.1.20020808210814.00b2d398@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 04:44 PM 8/8/2002 -0700, you wrote:

>Anybody know what this little jewel might be?

>

>Labeled on the PC board as IS01 ..

>

>On chip, 5N33 or could be 6N33.. and 9432? (? could be a 3 or 8) This
>number is followed by a backwards R with the straight spine formed into a U.
>(RU, with backwards R, apparently a Mfg.'s logo.)

>

>Could this be an optoisolator of some sort? It is a flat chip pkg. with
>three legs on each side, like the LM386 but just a six pin chip.

Bill,

I'd give it a 99.9% probability that this is an optoisolator. The part designator IS01 would fit. Most optos we use at work are 6-pin devices. And the backward UR logo means the part is registered with Underwriters Laboratories as meeting certain safety standards. The 94*** is probably a date code. I'm not familiar with 5-digit codes, but the 94 would most likely be the year it was manufactured. (Most date codes I see are 4 digits: 2 digit year and 2 digit week of the year.)

Could the part number possibly be 4N33? If so, here's a data sheet on the

Web, courtesy of Digi-Key and Fairchild Semiconductor::

<http://www.fairchildsemi.com/ds/4N/4N29.pdf>

Dave

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton

Dave Hinerman
WD8CIV@att.net

Date: Thu, 8 Aug 2002 21:47:07 -0400
From: "Tom Palmer" <n1tp@swfla.rr.com>
To: <qrp-1@Lehigh.EDU>
Subject: [131799] FOX: Truffle
Message-ID: <000501c23f46\$abe271c0\$6b2a0843@swfla.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Truffle, KB0LUR, Paul in Colo. is on 14.060.50, listening up.

He has a big (for QRP) signal into SW Florida.

Tom, N1TP

Date: Thu, 8 Aug 2002 19:48:47 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Steve Yates - AA5TB <aa5tb@arrl.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [131800] Re: End Fed Dipole FAILS
Message-ID: <Pine.LNX.4.44.0208081947300.1783-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Fine Steve have at it. I will await your results. All I ask is you check the feedline for radiation. If it radiates you FAILED.

On Thu, 8 Aug 2002, Steve Yates - AA5TB wrote:

> Hi Karl,
>
> Your end-fed 44 foot "dipole" "failed" because it wasn't a dipole. It would
> have to be a half-wavelength long to be a dipole. If not, considerable
> common-mode currents will exist on your feedline as you have found.
>
> Actually, I wouldn't call your experiment a failure since you've discovered
> the above.
>
> 73,
> Steve Yates - AA5TB
>
> Fort Worth, TX EM12hu
> <http://aa5tb.home.texas.net/>
>
>

--
Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Thu, 8 Aug 2002 19:53:38 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Stuart Rohre <rohre@arlut.utexas.edu>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [131801] Re: End feeding a dipole
Message-ID: <Pine.LNX.4.44.0208081951110.1783-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Guys the J pole is a bad antenna to compare with a Zepp antenna. The J pole is exactly a 1/4 wave matching stub feeding the end of a 1/2 radiator.

The Zepp needs to be made so the feed line works as a feed line not just a single wire as mine does.

On Thu, 8 Aug 2002, Stuart Rohre wrote:

> Either of two cases: half wave of wire, going directly to a parallel tuned

> tank which then is tapped to 50 ohm point to rig, or link coupled at 50 ohms
> to rig.
>
> Or, Zepp feed, so called after the dirigible antennas of prewar Germany.
> (Zeppelin).
>
> This is a half wave of wire, with a balanced feeder connected at one end
> with antenna to one side only of feeder. Other feeder side floated on an
> insulator, at a high impedance. Length of line determined to what extent
> the feeder also radiated since currents could be unbalanced.
>
> L. B. Cebik found however, that the current imbalance of end fed Zepp might
> be only 10 per cent.
>
> You may end up with an effective inverted L using this method or not.
> Today, this type of feed is more popularly found on the VHF J Pole antenna!
> 72, Stuart K5KVH
>
>
>

--

Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Thu, 8 Aug 2002 21:54:02 -0400
From: "ss lyon" <sslyon@megalink.net>
To: "chat qrp" <qrp-1@Lehigh.EDU>
Subject: [131802] ROCK MITE tonite...
Message-ID: <000901c23f47\$a34919a0\$aac7e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'll let the puppy out about 10:00PM Eastern. W1PID will also be around with his
'Mite. Condx seem pretty quiet up here in the right corner.

72

AA1MY

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm

Date: Thu, 8 Aug 2002 21:55:07 -0400
From: "N3BJ" <N3BJ@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [131803] ZM-2 Tuner SOLD
Message-ID: <0E44dSdVudU5N3FwtFR00006eaa@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all that replied.

Alan, N3BJ
Bent Mountain, VA

Date: Thu, 8 Aug 2002 21:21:50 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <blinn@smgazette.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [131804] Re: Mystery Part - #2
Message-ID: <003701c23f43\$3a612940\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

9432 is probably a date code

I believe the 5N33 is an opto-isolater. Look at the HP parts website
and I'm fairly certain you'll find 'circuit examples' that probably match
what you have on your board

Mike

----- Original Message -----
From: "blinn" <blinn@smgazette.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, August 08, 2002 7:44 PM
Subject: Mystery Part - #2

> Anybody know what this little jewel might be?
>
> Labeled on the PC board as IS01 ..
>
> On chip, 5N33 or could be 6N33.. and 9432? (? could be a 3 or 8) This
> number is followed by a backwards R with the straight spine formed into
a U.
> (RU, with backwards R, apparently a Mfg.'s logo.)
>
> Could this be an optoisolator of some sort? It is a flat chip pkg.
with
> three legs on each side, like the LM386 but just a six pin chip.
>
> I'm trying to figure out if the thing is functioning properly. It is on
an
> exhaust fan control board.
>
> Thanks,
>
> Bill - WA7TQK
>
>
> ---
> Outgoing mail is certified Virus Free.
> Checked by AVG anti-virus system (<http://www.grisoft.com>).
> Version: 6.0.365 / Virus Database: 202 - Release Date: 5/24/02
>
>
> --
>
>

Date: Thu, 08 Aug 2002 22:20:34 -0400
From: Paul Womble <pwomble1@tampabay.rr.com>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [131805] Fox- Loud here tonight
Message-ID: <3D5326F2.898313CD@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jim and Al both are 589 here. Al is moving between antennas...but is
still 539 on the west antenna.

Go get 'em...conditions are pretty good tonight.

73

Paul K4FB

Date: Thu, 8 Aug 2002 21:11:35 -0500
From: Karl Kanalz <kkanalz@gcecis.com>
To: "'wr3i@earthlink.net'" <wr3i@earthlink.net>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131806] RE: Clothes Line Antenna
Message-ID: <01C23F20.ED9280E0@KKANALZ>

The "Clothes-Line" antenna was described in Q-Street, about mid-1998 (as I recall). It was NOT fed by a single wire, but by coaxial cable (as I recall) and a local ham, K5KYS built and used one with great results.

Check out the ARRL web site for more info, Dave.

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: Dave Richards [SMTP:wr3i@earthlink.net]
Sent: Thursday, August 08, 2002 7:14 PM
To: Low Power Amateur Radio Discussion
Subject: Clothes Line Antenna

I have just moved into a new home and There is a long clothes line out Back I seem to remember an article some where that use a clothes line replaced with Wire and was fed at bottom of the lower wire of the pulleys and by adjusting the pulley the feed line was moved in and out to resonate on various Frequencies. I am going to assume that it was fed with a single wire

and acted like an adjustable Windom. The problem is I cant remember the details and don't have the article so if any one has thought about the validity of this please give feed back

Thanks

Dave

WR3I

Date: Thu, 8 Aug 2002 20:32:08 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [131807] FOX Got one but...
Message-ID: <Pine.LNX.4.44.0208082030580.2010-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I got Jim when he came out of the mud and got 559. Alan is still
522 here and I hear Hounds LOUD!

--

Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Thu, 8 Aug 2002 20:42:04 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [131808] FOX Alan and beams
Message-ID: <Pine.LNX.4.44.0208082039280.2010-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well will listen and see if Alan screws up and points a beam
South for a few more minutes. He assumes all the hounds are east or west
and is getting hounds. But there are a bunch in Texas that would like to
try a Fox. Even one in New Mexico,

--

Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Thu, 8 Aug 2002 22:55:58 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: "QRP" <qrp-l@lehigh.edu>
Subject: [131809] FOX - Bagged both -- STRONG!
Message-ID: <20020809025732.LYEM21083.imf01bis.bellsouth.net@[192.168.0.20]>

Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Jim and Al were both quite strong tonight. Each a solid 599. Jim was S9 + 20 on my very scotch K2 S-meter. Amazing signals for just 5 watts here in GA.

--

Just realised I missed the hunt last week. Dang! Too darned busy trying to leave for a trip last Friday to remember.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Fri, 09 Aug 2002 03:02:05 +0000
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [131810] Re: 1SV149 Data SHeet
Message-ID: <F66LzhV0JwnzsLqIfQd00011835@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Pardon my ignorance but where are these varicaps being sold?

Thanks.

Brad KG6IOE

James R. Duffey (jamesd1@flash.net) writes:

The Toshiba data sheet (pdf) for the 1SC149 variable capacitance diode that is to be used for tuning the NorCal contest VCO can be found at:

<http://www.jmnic.com/pdf/1sv149.pdf>

- Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5

Cedar Crest, NM DM65

MSN Photos is the easiest way to share and print your photos:
<http://photos.msn.com/support/worldwide.aspx>

Date: Thu, 8 Aug 2002 22:15:24 -0500
From: "Tim, N9PUZ" <n9puz@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131811] Re: Clisby Vertical Milling Machine and Lathes
Message-ID: <200208090310.WAA11062@zinc.eosinc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

On Thu, 08 Aug 2002 17:47:30 -0500, Brice D. Hornback wrote:

>What all uses can you folks think of for a small vertical=
milling
>machine and lathe besides the ones I've mentioned???

A nice mill is very handy for adding openings, etc. to off the=
shelf enclosures to fit connectors, cooling slots, etc. for your=
one of a kind project.

Tim N9PUZ

Date: Thu, 8 Aug 2002 22:17:49 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131812] RE: End feeding a dipole
Message-ID: <01C23F29.6EFBCD00.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

If no counterpoise, then how about a ground? Surely an end fed wire needs one or

the other?

(Notwithstanding the guy who concluded that his tuner, rig and body were the counterpoise.)

72--Nick, WA5BDU

-----Original Message-----

From: Steve Yates - AA5TB [SMTP:aa5tb@arrl.net]

This "current imbalance" should be no different when using a more modern end-feed halfwave coupler and coax cable and hence the reason little or no "counterpoise" is required for proper operation, contrary to popular belief.

Date: Thu, 8 Aug 2002 22:15:09 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [131813] RE: Dipole >?<
Message-ID: <01C23F29.0FC87680.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hmmm ...

We must travel in different circles, because I've rarely heard it in the way you describe. I've seen "general use" most often refer to a piece of wire (or is it two pieces?) cut and fed at the center.

We could play dueling reference books, but I'm sure it would lead nowhere. ARRL Antenna book, 2000 edition, generally refers to half-wave center fed dipoles, although it also considers Off-Center Fed Dipoles (though not so far off-center to be end-fed). And End-Fed antennas are discussed but are not called dipoles. William Hayt's "Engineering Electromagnetics" also shows a center fed antenna in its discussion of a dipole, but includes lengths less than 1/2 wave. It doesn't offer a strict definition of the term, though.

I could leaf through some more books, but I'm losing interest. What I really want to know is, what's a henway?

72--Nick, WA5BDU
(with the 180 foot BIG DIPOLE)

(I like your small transmitting loop page.)

-----Original Message-----

From: Steve Yates - AA5TB [SMTP:aa5tb@arrl.net]
Sent: Thursday, August 08, 2002 7:01 PM

Hi Rick,

Actually, in the most circles the word "dipole" refers to how many electric poles an antenna has, not how many physical "poles" it has.

See <http://aa5tb.home.texas.net/efha.html>

Date: Thu, 08 Aug 2002 22:20:29 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: ai2q@adelphia.net,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131814] Re: Clisby Vertical Milling Machine and Lathes
Message-ID: <04ba01c23f53\$b6e52060\$6501a8c0@cstltn01.in.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Alex,

The best way to get started is to first get the equipment. Seriously, until you can put your hands on it... it'll be difficult to grasp. Also, get the book "TABLETOP MACHINING" by Sherline's owner, Joe Martin. Although the Sherline is larger than the Clisby... the book is probably the best reference book to get you started.

<http://www.sherline.com/bookplug.htm>

There is also a book called the "MACHINERY'S HANDBOOK" 26th Edition (although even an older edition will still be VERY helpful). This is the machinists bible.

I hope this helps...

73/72/71! de Brice KA8MAV

Clisby Miniature Machines Web site:
<http://www.cyberbound.net/clisby>

----- Original Message -----

From: "AI2Q Alex" <ai2q@adelphia.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, August 08, 2002 8:00 PM
Subject: RE: Clisby Vertical Milling Machine and Lathes

> This discussion is interesting, but these comments assume one already
knows
> how to use a lathe or milling machine. I for one, do not, but would very
> much like to learn. How do I proceed?

>
> Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

> -----Original Message-----

> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
> Brice D. Hornback
> Sent: Thursday, August 08, 2002 6:48 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Clisby Vertical Milling Machine and Lathes

>
> Exactly! Like I said, the Clisby Miniature Machines are precision
> manufactured from
> aircraft quality, (6061 temper 6) aluminum by Clisby Design Engineering in
> Adelaide, South Australia. The factory uses state-of-the-art CNC machines
> to produce the world's finest miniature machine tools.
>
>

Date: Thu, 8 Aug 2002 21:26:28 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: <sslyon@megalink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131815] ROCK-MITE Hunting Re: ROCK MITE tonite...
Message-ID: <004901c23f54\$8cdcab70\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Seab,

I saw your message about 10:50 EDT so fired up the Icom to look for you. (I reasoned two Rock-Mites trying to find each other might be a problem if our XTALs weren't close to the same freq. ;-)

I did here two very weak stations at 7039+ could make out much QSO detail. I did copy one station send ROCKM. Could this have be you, or the other station?

We should set up some times & see if we can go Rock-Mite to Rock-Mite. Any time after 8p MDT (0200Z) is good for me.

73, Rod N0RC

----- Original Message -----

From: "ss lyon" <sslyon@megalink.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, August 08, 2002 7:54 PM

Subject: ROCK MITE tonite...

> I'll let the puppy out about 10:00PM Eastern. W1PID will also be around with his

> 'Mite. Condx seem pretty quiet up here in the right corner.

> 72

> AA1MY

>

> Seabury & Sharon Lyon

> 99 Sparrowhawk Mtn Rd

> Bethel ME, 04217 U.S.A.

> 207-836-2576

>

> Virus Protection by Norton and ZoneAlarm

>

>

Date: Thu, 8 Aug 2002 20:28:17 -0700

From: "Trevor Jacobs" <kg6cyn@earthlink.net>

To: <k5di@zianet.com>,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [131816] Re: FOX Got one but...
Message-ID: <005801c23f54\$cdf9d420\$c612f4d8@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

No Foxes or hounds heard out this way yet...

73's Trev KG6CYN
<http://home.earthlink.net/~kg6cyn>
<http://www.qsl.net/kg6cyn>

----- Original Message -----
From: Karl F. Larsen <k5di@zianet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Thursday, August 08, 2002 7:32 PM
Subject: FOX Got one but...

>
> I got Jim when he came out of the mud and got 559. Alan is still
> 522 here and I hear Hounds LOUD!
>
> --
> Yours Truly,
>
> - Karl F. Larsen, (505) 524-3303 -
>

Date: Thu, 8 Aug 2002 22:30:01 -0500
From: "Tim, N9PUZ" <n9puz@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [131817] RE: Clisby Vertical Milling Machine and Lathes
Message-ID: <200208090325.WAA11325@zinc.eosinc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

On Thu, 08 Aug 2002 21:00:21 -0400, AI2Q Alex wrote:
>This discussion is interesting, but these comments assume one
>already knows how to use a lathe or milling machine. I for one,=
do
>not, but would very much like to learn. How do I proceed?

I'm certainly no machinist but have access to a small lathe and= mill at a friend's model shop. There's a book called "Tabletop= Machining" by the guy who runs Sherline. It's slanted heavily= towards their equipment but does give a lot of good beginner= information too.

Tim N9PUZ

Date: Thu, 8 Aug 2002 22:46:26 -0500
From: "Brian" <brian@iquest.net>
To: "QRP-L" <qrp-l@lehigh.edu>, "Pigs" <fpqrp-l@mpna.com>
Subject: [131818] Surplus Parts
Message-ID: <002e01c23f57\$57147ba0\$ce372bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Junkbox Surplus Parts for Sale as of 08/05/2002
=====

Website coming soon....stay tuned!

Newer Item

=====

LM386N-1 - Audio Amps 5 for \$2.25

Odd Items

=====

9.8304 Mhz Crystals, 1/4 in tall - 25 for \$7.00

27mH inductors with radial leads - 50 for \$7.00

Caps - All new, old stock. No pulls.

=====

 All caps now 50/\$3 or 100/\$5

=====

8pf NPO Ceramic - Loose

11pf NPO Ceramic - Loose

12pf NPO ceramics on tape

22pf Kemet Ceramic Caps, 200v, 10%

100pf Axial Mono Caps, 100v, 10%

150pf ceramics, 100v, 10%

470pf Ceramics on paper tape, rated 5% (NPO)

560pf Kemet Ceramic Caps, 200v, 10%

1000pf blue mono caps, 10% 100v
3300pf Kemet Ceramic Caps, 100v, 10%
.01 uF ceramic caps, 10% 100v brand new by Kyocera
and
.01 uF ceramic caps, 20% 50v, new old stock, not used
50/2.50 100/\$4

Voltage Regulators

=====

L7805ACV voltage regulators T0220 case. 7/\$4 or 15/\$7
LM7812 voltage regulators. T0220 case. 5/\$4
LM317T Adjust. Positive Voltage Regulator T0220. 6/\$5.00 or 12/\$8.50
LM78L62ACZ Volt regulators, T092 format 5/\$3.00 10/\$5.00

Transistors - New Parts - No Pulls

=====

TP2222 plastic T092 NPN (House brand 2N2222) 50/\$4 100/\$7
2N3906's plastic T092. PNP - 50/\$4 100/\$7
2N3904's plastic T092. NPN - 50/\$4 100/\$7
2N3704's plastic T092, NPN - 50/\$4 100/\$7
MRF517 - Motorola Part - Metal Can - 5 for \$5

Op AMPS, Comparators

=====

LM741CN - Single Op Amp, 8 Pin Dip, 6 for \$2.00
<http://www.hep.ph.ic.ac.uk/~hallg/Instrumentation/Data/LM741.pdf>

BA10324 - LM324 equiv Quad Ground Sense Op Amp 14 pin, 4 for \$2.00
<http://www.flint.co.uk/product/pdfs/FR3LIN.PDF>

BA10358 - Dual Ground Sense Op Amp, 8 pin, 5 for \$4.00
<http://www.flint.co.uk/product/pdfs/FR3LIN.PDF>

BA10393 - Dual Comparator 8 pin dip, 4 for \$2.00
<http://www.flint.co.uk/product/pdfs/FR3LIN.PDF>

BA10339 - Quad Comparator 14 pin, 4 for \$2.00
<http://www.flint.co.uk/product/pdfs/FR3LIN.PDF>

BA4560 - Dual High Slew Op Amp, 4 for \$2.00
<http://www.rohm.com/products/databook/standard/pdf/ba4560.pdf>

Diodes

=====

1N4148 - You always need these. 100 for \$2.50 These are NEW.

Let me know if you're interested. All prices are post paid to the
USA, unless otherwise noted. I will ship to non USA addresses but we

need to discuss the shipping charges first.

```
=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====
```

Date: Thu, 8 Aug 2002 22:42:30 -0500
From: "Steve Yates - AA5TB" <aa5tb@arrl.net>
To: "QRP-L Distribute" <qrp-l@lehigh.edu>
Subject: [131819] Re: End Fed Dipole FAILS
Message-ID: <002001c23f56\$cdfad3a0\$0436a6d8@texas.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey Karl,

You may want to check - I think that you may have a bit stuck.

73,
Steve - AA5TB

Date: Thu, 8 Aug 2002 08:35:15 -0700
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-l@lehigh.edu>
Subject: [131820] ROCK MITE, Simply a great kit
Message-ID: <005501c23ef1\$345c4d60\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, I got a RockMite at Lobstercon from Dave Benson and built the board at

Jay Bromley's house in Ft. Smith when we visited this summer. This is a marvelous kit for the beginner, or just a guy who wants to build kits.

First of all look at the features: Built in Keyer, Sidetone, and offset, all features that are lacking on most simple rigs. Dave figured out how to do all that and still keep the price down to \$25 including shipping. Absolutely amazing.

Second, the kit itself. Wow, the board is as good as you get, in fact it comes from the same place that Elecraft, NorCal, Red Hot Radio and a bunch of other companies get their boards. Next, you know this is a Dave Benson design when you build it and every single, yes every single part fits!!!! No bending leads on caps in this kit. It is done the right way!! Kudos to Dave on this one. Plus, this is not a simple kit with 15 parts that costs \$30+, no this one has 70+ parts, and it took me about 90 minutes to build just the board!! All parts on the board are there. No ordering crystals. They are included!! You get your money's worth and then some with the RockMite!!

Third, there are NO adjustments to make on this radio. It is truly plug, solder, trim and play. No Toroids, No tunable inductor cans, no variable caps, no trimpots, not a single adjustment to be made!!

Quality parts throughout, and this little baby is getting good reviews from all who have built it. \$25 and you get a transceiver that puts out 500 mW, has a HOT receiver, a keyer, sidetone, and offset.

I totally recommend that you buy this kit and buy it quick. This one is fun and easy, and is a viable transceiver for making contacts when you get done. Another thing that I like is that Dave has left the connectors and case up to us. Now we get a chance to see how guys can package this little gem.

No Earwax, no conjugate matches, no flame wars, just QRP fun as it should be. I love seeing the posts on this list about the Rockmite. It reminds me of another rig, the 49er, that was done several years ago, but this one is much better. (Of course Dave has some technology available to him that was not here when we did the 49er, no offense meant to that rig.) We have raised the ladder on simple kits.

I can't wait to see the reports from others on this list as they build and operate the RockMite. Who will be first to get DXCC with the Rock??? Who will be the first to get WAS??? Guys, I fully endorse this kit, recommend it, and encourage QRPers of all levels of building ability to build one. You will be glad that you did.

72, Doug

I have no financial interest in the RockMite, Small Wonder Labs, or Dave

Benson. He is a dear and close friend, and a good person.

The RockMite can be ordered from the following URL:

<http://www.smallwonderlabs.com/>

Date: Thu, 08 Aug 2002 22:51:53 -0500
From: Chuck Carpenter <w5usj@9plus.net>
To: nkennedy@tcainternet.com,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [131821] RE: Dipole >?< [5 lbs and doublet]
Message-ID: <3.0.2.32.20020808225153.006af918@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:15 PM 8/8/02 -0500, Nick Kennedy wrote:

>I could leaf through some more books, but I'm losing interest. What I
>really want to know is, what's a henway?

>

About 3.5 to 5 pounds or so.

Doublet would work for most any antenna fed in the center regardless of length.

Email Alt: w5usj@arrl.net, w5usj@go.com

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, NETXQRP <http://www.netxqrp.org>

Date: Thu, 8 Aug 2002 20:56:50 -0700
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [131822] FOX: Happy Dance!
Message-ID: <007801c23f58\$cb1c59e0\$c612f4d8@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

73, Jim

--=20

Jim Larsen, AL7FS, Anchorage, Alaska

(BP51cc) - 61.101 North, 149.824 West

ex-WA0LPK AK-QRP#003 SOC#003 10-X-#12094 =20

mailto:al7fs@arrl.net - <http://www.qsl.net/al7fs/>

Date: Fri, 9 Aug 2002 00:27:17 -0400

From: Michael Babineau <michael.babineau@sympatico.ca>

To: qrp-l@lehigh.edu

Subject: [131824] re: Directional Antenna for HF

Message-ID: <49B37EE7-AB50-11D6-8655-00039309268A@sympatico.ca>

Mime-Version: 1.0 (Apple Message framework v482)

Content-Type: text/plain; charset=US-ASCII; format=flowed

Content-Transfer-Encoding: 7bit

Ed et al :

I remember seeing a design in QST within the past couple of years for a two element (director and driven element) multi-band wire yagi covering 10m, 15m and 20m. It used lengths of PVC pipe at each end of the wires to space the elements and thus had no central boom so to speak. The driven element was essentially a fan-dipole, using short pieces of PVC pipe to separate the wires for each band. If people are interested I can dig up the reference (I was considering building one of these this year as a field day antenna to give my signal a little extra boost but I didn't get around to doing anything about it in time).

Ed perhaps you could scale this idea up for lower bands. The problem then becomes finding appropriate materials to space the elements that would be long and stiff enough without being too heavy. You could revert to a central boom and drape the elements inverted V style.

Another idea to think about is have you considered using 4 hamsticks to build a beam

see <http://www.eng.mu.edu/~usi/hamstick.html> for a 3 element version.

This should work pretty well for the higher bands as the shortened length of the hamstick wouldn't be too much of a compromise for 10m thru 20m.

Michael VE3WMB

Date: Thu, 8 Aug 2002 21:35:33 -0700
From: George Fremin III - K5TR <geoiiii@kkn.net>
To: Doug Hendricks <ki6ds@dph.dpol.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131825] Re: ROCK MITE, Simply a great kit
Message-ID: <20020809043533.GN30635@loja.kkn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Thu, Aug 08, 2002 at 08:35:15AM -0700, Doug Hendricks wrote:

>
> I totally recommend that you buy this kit and buy it quick. This one is fun
> and easy, and is a viable transceiver for making contacts when you get done.

Yep - I finally had time to sit down and build mine tonight. I lashed
it up with clip leads to an antenna, 9v battery and a speaker and
I was amazed as how good it sounded - wow.

I was even seeing RF come out of it on the wattmeter - cant wait to get it
hooked up for real so I can work someone.

--
George Fremin III - K5TR
geoiiii@kkn.net
<http://www.kkn.net/~k5tr>

Date: Sat, 15 Dec 2001 00:36:04 -0700
From: "Al Dawkins" <alk0frp@attbi.com>
To: <qrp-l@lehigh.edu>
Subject: [131826] Fox K0FRP
Message-ID: <002501c1853b\$270331d0\$0500a8c0@homev3v5yzk21f>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Two 100 mw
three 500 mw

2nd Q N9NE 100mw
4 th Q KB9YIG 500 mw
38 the first 30 min
60 first hour
78 Q's in 2 hours
31 states and Prov 3 countries Yo4, HA5 and a RA3
Got Jim AL7FS
Working BC SK AB OR WA with the west beam and east coast was calling also.
made some fast switches.
In the second hour there was lots of "vapor" signals WOW so weak and QSB
along with it. DSP cranked in and still was rough. Sorry if I missed you but
I think I got all I heard.

Al K0FRP

Date: Thu, 8 Aug 2002 22:54:02 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>,
"cqc-1" <CQCLIST@yahooogroups.com>
Subject: [131827] UPDATED: the Rock-Mite files
Message-ID: <000901c23f60\$c91b6020\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

I added a small photo essay on how I prepared my Altoids tin for my
Rocky-Mountain Rock-Mite. Making an enclosure for your Rock-Mite is very
easy, even with the most simple tools. It only took an hour or so.

I did leave step "ZERO" out of the instructions: Buy a tin of Algoids,
deposit contents in suitable alternative container. ;-)

Enjoy!

"the Rock-Mite files" <http://www.radioactivehams.com/~n0rc/rm/>

Do you "Rock-Mite"? If so please consider sending me you Photos,
stories, building tips...whatever for inclusion in, "the Rock-Mite
files". Details at:

http://www.radioactivehams.com/~n0rc/rm/Stories/The_Rock-Mite_Files.txt

73, Rod N0RC

Date: Thu, 8 Aug 2002 23:56:25 -0500
From: "Rob Matherly" <w0jrm@arrl.net>
To: "Brice D. Hornback" <bdh@cyberbound.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131828] Re: Clisby Vertical Milling Machine and Lathes
Message-ID: <018501c23f61\$72f79140\$8211a541@jimrob>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> What all uses can you folks think of for a small vertical milling machine
> and lathe besides the ones I've mentioned???

I dunno, but I'd love to have one anyway just to play with :^))

72/73/oo
Rob, w0jrm

=====
Visit my website! <http://www.qsl.net/w0jrm>
=====

Date: Fri, 9 Aug 2002 00:00:54 -0500
From: "Rob Matherly" <w0jrm@arrl.net>
To: <ai2q@adelphia.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131829] Re: Clisby Vertical Milling Machine and Lathes
Message-ID: <01b601c23f62\$1e178d00\$8211a541@jimrob>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

First off, don't wear loose clothing :^D

Seriously though, check Amazon.com (or some other book place) for books on

Machining (sp). It may be complicated at first, but it's fun once you get the hang of it! The hardest part for me was figuring out the markings on the dials and how they related to thousandths of an inch. Speaking of that, might want to snatch up a micrometer and some dial calipers. Those can be tricky at first also like most things :^)

72/73/oo
Rob, w0jrm

=====
Visit my website! <http://www.qsl.net/w0jrm>
=====

----- Original Message -----

From: AI2Q Alex <ai2q@adelphia.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Thursday, August 08, 2002 8:00 PM
Subject: RE: Clisby Vertical Milling Machine and Lathes

> This discussion is interesting, but these comments assume one already
knows
> how to use a lathe or milling machine. I for one, do not, but would very
> much like to learn. How do I proceed?
>
> Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.
>
>
>
> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Brice D. Hornback
> Sent: Thursday, August 08, 2002 6:48 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Clisby Vertical Milling Machine and Lathes
>
>
> Exactly! Like I said, the Clisby Miniature Machines are precision
> manufactured from
> aircraft quality, (6061 temper 6) aluminum by Clisby Design Engineering in
> Adelaide, South Australia. The factory uses state-of-the-art CNC machines
> to produce the world's finest miniature machine tools.
>

Date: Fri, 9 Aug 2002 01:11:23 -0400 (EDT)

From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@lehigh.edu>
Subject: [131830] Re: Clisby Vertical Milling Machine and Lathes
Message-ID: <20020808235601.W98452-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

QRP Friends,

I have looking over the Clisby Product line this week and find them to be very exciting. I am already sure that The CVM 500 Vertical Milling Machine at \$ 249.00 will be on order soon. I also plan to purchase the Model CML 1000 (17") Precision Metal Lathe at \$ 179.00.

My biggest problem at the moment is deciding what additions to order with them. A few are No-Brainers, The lathe headstock (part # 610) to allow use of the Milling machine as a drill press. The second, will be the Wood turning attachment (#405) to allow the Metal Lathe to do wood turnings. Maybe some Doll house parts for my Granddaughters.

I also recommend the following items:

CMM-415 Tool Bit 3/16" \$5.50, CMM-420 Reverse Tool Bit 3/16" \$6.50,
CMM-425 Tool Bit Stock, (set of 3) 3/16" \$ 7.50, CMM-700 Milling Cutters
x9 (set) (1/16,5/64,3/32,7/64,1/8,9/64,5/32,11/64,3/16) \$ 79.50
CMM-750 Milling Cutter 1/32" \$ 14.50 CMM-755 Milling Cutter 3/64" \$ 14.50
CMM-800 Precision Vise \$ 30.00

That should give a pretty near complete, (At least a good start), Mobile Machine Shop.

For Insurance, I Highly Recommend Adding at least one or two Drive Belts CMM-500 at \$ 6.50 EACH. You don't want to wait for AIR Mail from Australia for a spare Belt to finish a project.

Actually I have several in the shop that will likely work. They are from one of my Portable Key Machines used in my Locksmithing Profession.

Did I mention that these Minature Milling Machines are useful to the Locksmith as Well?

My associate, Earl Litts (An Old Master Locksmith), has several Mills, and Key machines in his van. Yes, they run off of 12 VDC. (Solar Charged). The panel is on the van roof.

I had not intended this to be a Commercial, but I realise that it looks

very much that way. O.K., I will personally endorse these little machines. I can't wait to get my hands on the pair.

If you would like to know more, check out the Web site of Brice Hornback, KA8MAV, <bdh@cyberbound.com> The U.S. Authorized Dealer/ Distributor.
<<http://www.Cyberbound.net/Clisby>>

I would personally like to hear from others who have experience using these or similar Products. What have you made with it? What did you spend to be able to really make things? How do you like the Product that you have purchased. Not just Clisby, but Sherline, Taig, Peatol, Etc.

I hear that many of the Sherline Accessories will work with the Clisby line. Not a surprise, since the same man designed them both.

I also hear tell that other accessories are in the pipeline from Clisby.

How about an Adapter to accept 1/8" Bits, Can you say "Dremel"(Tm) or "Black & Decker"(Tm) ?

I am also looking at Dentistry Bits and Key Machine Cutters. I can assure you that I will have a Slotter Wheel adapted to my Machines by Winter time. :^}

I will announce availability of the Cutters and Adapters when available.

I am allowed to re-sell certain Locksmithing Tools and Parts.

Thanks for you time and space. I look forward to hearing how others Use or Plan to use their M.M.M.S. (Minature Mobile Machine Shops) Maybe I can talk Brice into a Web Site for Users of The Clisby and similar Machines.

I know for sure that there are several Experts here on this list.

QRP? You Bet! These Babies are Very QRP! Even QRPP!

The Anxious QRP Machinist...

QRPP Dx Tu, (C) 2002 K3TKS

Sir George, The First :^}

72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and CURRENT Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems, Handyman Services,
Commercial & Residential Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1,
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

Maryland Milliwatt Club QRP Reference Library, & I.Q.S.F. Donations Accepted.

RU-QRP? Club Representative, U.S. Treasurer & Founder of I.Q.S.F.

Yes, We take "PayPal" to "George Gingell" <K3TKS@abs.net>

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Thu, 8 Aug 2002 22:39:04 -0700
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131831] FOX: Audio Clips Updated
Message-ID: <001101c23f67\$133ecf60\$26e5b3d1@tjnotebook>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

I updated the Summer Hunt audio clips page tonight with a clip of Al K0FRP.
Al was nice and strong. Thanks again to both FOXII for taking the time out
for the hunt!

73's Trev KG6CYN
<http://home.earthlink.net/~kg6cyn>
<http://www.qsl.net/kg6cyn>

Date: Thu, 08 Aug 2002 20:25:43 -0700 (PDT)
From: Nelson Winter <thenels@go.com>
To: qrp-1@lehigh.edu
Subject: [131832] Re: The Mighty Rock Mite!
Message-ID: <2899899.1028863543791.JavaMail.thenels@gomailjtp01>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Me being a newbie to QRP and all...
Whatsa AARP Filter? I have a Rick Mite on order and if this thing ads some gobetter juice to the mix, then I wanna!

-----Original Message-----

From: "Steven Weber"<kd1jv@moose.ncia.net>
To: "Low Power Amateur Radio Discussion"<qrp-1@Lehigh.EDU>
Date: Thu Aug 08 07:43:10 PDT 2002
Subject: The Mighty Rock Mite!

>Finally made a contact with my Rock Mite last night - in fact three of them.
>

>First was with AA1MY - making possibly the first R-M to R-M contact! Of
>course, I knew Seab would be on, as he stopped by the shop earlier and I
>outfitted his Rock Mite with one of the new AAPB filter boards. Sure,
>enough, latter last night I head him working a station and gave a call when
>he was done. We're only 15 or so LOS miles apart and our antennas aren't
>exactly NVIS types, so took a few tries to attract his attention :-)

>
>After that I heard Seab work a few more stations - one in Chicago - then
>go QRT, so I decided to send out a few CQ's of my own. Eventually, W3EEK
>came back and gave me a 57 from PA! We had a regular 20 minute rag chew!
>

>Then as I signed with W3EEK, I hear someone calling me! K5TR from TX no
>less! That QSO was a bit rough, my rst was only 4x3 but we were able to
>exchange the basics.

>
>Antenna was the G5RV "Shorty" up 40 feet, as for some reason I got less
>SWBCI with it than the "88". Power was 500 mw +/-.

>
>Pretty amazing! Not bad for a "code practice oscillator" :-)

>
>

>72,
>Steve, KD1JV
>"Melt Solder"
>White Mountains of New Hampshire
><http://www.qsl.net/kd1jv/>

GO.com Mail
Get Your Free, Private E-mail at <http://mail.go.com>

Date: Thu, 08 Aug 2002 23:56:42 -0600
From: "P.Ermisch" <ermisch@usa.net>
To: <qrp-1@lehigh.edu>
Subject: [131833] KB0LUR Truffle log 8/8/02
Message-ID: <20020809055642.26822.qmail@cmsweb26.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Thanks to all who patiently worked me through my fumbling first time as
truffle. I'm a novice on being on the bottom of a 'pileup' so this a gre=
at
experience and learned some valuable lessons. I look forward to doing it=
again in the future and doing a better job. I took the opportunity to re=
cord
my entire session and will learn from that as well. =

0133	K5JHP	559	BILL	TX	5W
0134	N9NE	559	TODD	WI	w1
0135	K8CV	599	WALT	MI	5W
0139	K7IE	599	CLAIR	OR	5W
0140	N5ZE	579	LEW	TX	5W
0141	KZ5J	559	PAT	TX	3W
0142	KG4LDY	579	JIM	VA	5W
0143	W5USJ	599	CHUCK	TX	5W
0144	KB7WW	559	ART	OR	5W
0145	N1TP	579	TOM	FL	5W
0147	K4GT	599	JIM	GA	5W
0148	N3XRV	559	CHRIS	PA	5W
0152	KB9YIG	579	TONY	IN	w5
0152	K4FB	599	PAUL	FL	5W
0154	K9UT	579	JERRY	IN	5W
0155	VA6RF	599	EARL	AB	5W
0156	K8HJ	559	JOHN	MI	5W
0200	AJ4AY	449	JACK	AL	4W

Sorry to K8KFJ - at about 0150, you faded away and someone laid a big, fat
QRL? on top of you at the same time.

Thanks also to FPQRP club and W8DIZ for the experience.

Paul KB0LUR

Date: Fri, 09 Aug 2002 02:09:24 -0400
From: wb4mnf <wb4mnf@atl.org>
To: bdh@cyberbound.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131834] Re: Clisby Vertical Milling Machine and Lathes
Message-ID: <3D535C94.50308@atl.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

The guy I share a building with manufactures tabletop
milling machines. They are well made. He will sell
with or without motors and has a number of different
models.

Send me some mail at work, tongaloea@alltel.net
I've his web site and email info there and will reply.

-bob

Date: Thu, 8 Aug 2002 23:52:49 -0700
From: "Doug Hendricks" <ki6ds@dospalos.org>
To: "qrp-l" <qrp-l@lehigh.edu>
Cc: "'Gentleman Jim Cates'" <wa6ger@aol.com>
Subject: [131835] So You Want To Be A Builder, Huh? (Update of What Kit To Build)
Part 1
Message-ID: <009b01c23f71\$61e16150\$1fa3ad40@DOUG>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A few years ago, I wrote a series of articles for a talk that I gave at
Hamcom in Dallas. In it, I talked about what kit to build, and why. Got a

lot of nice comments on it, and it is probably still on the web somewhere. A lot of time has gone by since then, and the series needs updating, so here it goes. By the way, this is gonna be long, it is gonna be my opinion, but I will support my opinions with reasons, hopefully valid. Now what makes me think that I am qualified to write about this subject? Well, I have built over 100 kits in the last ten years, have managed every NorCal Kit Project (thousands of kits), and have advised several other clubs and companies about kits. I don't know everything, and I am certainly not the world's authority, but I do have some real life experience.

When I was in grade school, I read the library copy of Boy's Life religiously. Every month, I would drool over the ads for the Ham Radio receivers. I even went so far as to write Hallicrafters and ask what a receiver cost. When they told me \$48.00, it might as well have been 48 Million, because there was no way that I had that kind of money as a 10 year old kid growing up in Kansas. I had no idea what the ARRL was, there were no hams in my hometown, and it was just a dream. Then when I was a sophomore in high school, our science teacher took us on a field trip to a ham's house in the next town. Wow, I could not believe all the stuff he had out in his garage. It was piled floor to ceiling with equipment, and it all glowed in the dark in 1964. I asked him how to become a ham, and he was not very friendly, said that you had to take FCC tests from the government, follow all kinds of rules, etc. He did say that he built most of his equipment from old military surplus and tv sets. Hey!! That was my ticket. I would build my own stuff. That night and many nights after, I dreamed of being a ham and building my equipment.

I finally got my ham ticket in 1976, that means that I could officially be a member of QCWA now, grin. But I didn't build any of my equipment, I bought it second hand. I was on the air, made 499 qso's as a novice, but didn't feel like a real ham because I had not built my equipment. I wanted to be like the guy I met in high school and build my own station. I am sure that many of you who have never built anything and lurk on this list can identify with me. Stay with me, and I may be able to help you.

I have been very lucky to have met and known some wonderful builders in my time as a QRPer. Dave Fifield, Dave Meacham, Derry Spittle, Ed Burke, Vern Wright, Wayne Burdick, Eric Swartz, Jim Kortge, JayBob Bromley, Keith Newman, Chuck Adams, Dave Benson, Dennis Foster, Mike Gipe, Paul Maciel, Dan Tayloe, John Liebenrood, Wayne McFee, Paul Harden, George Heron, Joe Everhart, Mike Fitzsimmon, and many others. They all have one thing in common. Do you know what that is? They all learned how to build by building. None of them was a master builder out of the box. They had to put in their time and make their mistakes. But they did it. They built everything that they could. Some of those guys I mentioned are EE's. Some aren't. One is a dentist, another worked in the auto industry and several are just average Joe type of guys. Anyone who can learn how to solder, read and follow directions, learn how to understand a schematic, and identify

parts can become an excellent builder. But it takes practice. Chuck Adams told me once that education costs. You will pay for it one way or another. He is 100% right. I know guys that have never built anything and start with a K2. Do I recommend that?? NO WAY. But it has been done. No, I don't recommend building the K2 or K1 as a first kit, they came quite a way down the road, but they do come. What I do recommend is that you start with a good soldering iron, some good solder, read on the web about good soldering techniques, and practice with some resistors because they are cheap, grin.

My method involves a gradual learning curve. You start with simple projects that don't cost an arm or a leg, and you learn on the inexpensive kits. (That means you will make your first mistakes on them). The next installment of this article will cover a couple of easy kits, that are cheap, fun to build, and they will work!!

72, Doug, KI6DS

Date: Fri, 9 Aug 2002 03:18:42 EDT
From: K5BDZ@aol.com
To: ki6ds@dospalos.org, qrp-1@lehigh.edu
Subject: [131836] Re: So You Want To Be A Builder, Huh? (Update of What Kit To Build) Part 1
Message-ID: <1a9.679630d.2a84c6d2@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Doug

Really glad to read your story as it unveils. Hope all the dreamers out there will read with us and grab a soldering iron and "burn solder"...

Bill K5BDZ

Date: Thu, 08 Aug 2002 23:16:05 -0700 (PDT)
From: Nelson Winter <thenels@go.com>
To: qrp-1@lehigh.edu
Subject: [131837] Re: Random Wire vs. Magnetic Loop in Apartment
Message-ID: <1006084.1028873765713.JavaMail.thenels@gomailjtp01>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Try any or all of these links for info:

<http://www.g3ycc.karoo.net/loop.htm>

<http://www.alphalink.com.au/~parkerp/nodec97.htm>

<http://www.frontiernet.net/~jadale/Loop.htm>

http://www.qsl.net/mnqrp/Loop/Mag_Loops.htm

Loop designer software:

<http://www.qrz.com/download/antennas/mloop31.zip>

Nelson Winter

WB6DWD

>----- Original Message -----

>From: "Robin Kidd" <robink@us.ibm.com>

>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

>Sent: Wednesday, August 07, 2002 10:54 PM

>Subject: Re: Random Wire vs. Magnetic Loop in Apartment

>

>

>>

>> Does anyone know of a place that I can get the construction information
>for

>> an indoor magnetic loop. I am primarily interested in 40m,30m and 20m.

>> Thanks in advance

>>

>> Regards,

>>

>> Robin J. Kidd

>> KG4RSQ

>>

>> Remember, the Ark was created by inspired amateurs but the Titanic was
>> created by professionals...

>>

>> kg4rsq@arrl.net

>>

>>

>>

>

GO.com Mail

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Date: Fri, 9 Aug 2002 00:53:06 -0700
From: "John Moriarity" <k6qq@hdo.net>
To: <rohre@arlut.utexas.edu>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131838] Re: End feeding a dipole
Message-ID: <005c01c23f79\$cdcf41e0\$a85fa13f@johns1t>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Or, Zepp feed, so called after the dirigible antennas of prewar Germany.
> (Zeppelin).
>
> This is a half wave of wire, with a balanced feeder connected at one end
> with antenna to one side only of feeder. Other feeder side floated on an
> insulator, at a high impedance. Length of line determined to what extent
> the feeder also radiated since currents could be unbalanced.

The Zepp antenna was **by definition** a half-wavelength long wire, fed with a quarter-wave feedline, as described above. Nothing else! In this unique case, **most** of the feeder radiation is cancelled, and a conveniently low impedance is presented at the transmitter end of the line.

It was not intended as a multiband antenna, but hams found that it could be used on harmonic frequencies. The driving point impedance could be very high in some cases. That's why you see both "series" and "parallel" tuned systems in the old literature.

Over the years, hams have come to call any antenna end fed with balanced line (and some center fed antennas) a "Zepp", and as many have found, all antennas "work". Random lengths of wire and feedline **called** a Zepp will combine to radiate **somewhere**, as Karl recently discovered.

73,
John, K6QQ

Date: Fri, 09 Aug 2002 08:34:41 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: ai2q@adelphia.net, qrp-1@lehigh.edu
Subject: [131839] RE: Clisby Vertical Milling Machine and Lathes
Message-ID: <F33JXHqKnB09Whsf3Si00002a57@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "AI2Q Alex" <ai2q@adelphia.net>
>Reply-To: ai2q@adelphia.net
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: RE: Clisby Vertical Milling Machine and Lathes
>Date: Thu, 8 Aug 2002 21:00:21 -0400

>

>This discussion is interesting, but these comments assume one already knows
>how to use a lathe or milling machine. I for one, do not, but would very
>much like to learn. How do I proceed?

You can't really learn this sort of thing from a book, you have to actually operate the things. You might be able to find a course at a local college, or you might have a local model engineering club you could contact. You do need some knowledge of the theory, of course, like what speeds to use for different materials, and how to set things up.

I learnt to operate a metal lathe at school. I wasn't any good at woodwork, and when we got a brand-new Myford lathe I volunteered to play about with that, instead. Only two of us in my class were interested in it. When I was studying electronics we had a course on manufacturing processes, and I had two weeks in a machine shop.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790
Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Fri, 09 Aug 2002 08:43:47 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: n9puz@arrl.net, qrp-1@lehigh.edu
Subject: [131840] Re: Clisby Vertical Milling Machine and Lathes
Message-ID: <F187ajKC74he0W4lTsr000048fe@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Tim, N9PUZ" <n9puz@arrl.net>
>Reply-To: n9puz@arrl.net
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Re: Clisby Vertical Milling Machine and Lathes
>Date: Thu, 8 Aug 2002 22:15:24 -0500
>
>On Thu, 08 Aug 2002 17:47:30 -0500, Brice D. Hornback wrote:
>
> >What all uses can you folks think of for a small vertical milling
> >machine and lathe besides the ones I've mentioned???

Slow-motion drives, roller coasters, shaft encoders, microwave parts. How about a small steam engine to power a small generator - a steam-powered radio? 8-)

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790
Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: Fri, 9 Aug 2002 06:32:04 -0400
From: "w8diz" <w8diz@fpqrp.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [131841] Re: The Mighty Rock Mite!
Message-ID: <008101c23f90\$01cc9360\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Nelson Winter" <thenels@go.com>

Sent: Thursday, August 08, 2002 11:25 PM

> Me being a newbie to QRP and all...

> Whatsa AARP Filter?

I believe it's another version of the OF filter, but with better support.

-Diz, W8DIZ

Date: Fri, 9 Aug 2002 07:05:32 -0400

From: John R Kirby <n3aaz-qrp@juno.com>

To: qrp-l@lehigh.edu

Subject: [131842] Dipole >?< "end fed"

Message-ID: <20020809.070630.-362873.1.n3aaz-qrp@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

My original question . . .

> Regardless of length, how do you 'end feed' a dipole ?

First . . .

Thank you for ALL the "help" as there were 23 posts received here with 27 different answers (six were un-sure but did provide an alternate soulation).

Second . . .

Based on the volume (as in loudness) of this topic
i.e. >end fed dipole< and >how to< feed one . . .
and . . .

firmly established by the 29 and a half answers above

(one said 'that was a good question') . . .

I now see an 'end fed dipole' like a frog siting on the middle of a log.

He wants to go to the end and feed.

But . . . he can only jump half way each time.

How many jumps are required for the frog to reach the end log and feed?

I conclude . . .

death by starvation.

I am sooo glad 'we' got "that" settled, tn timer agn dit dit

John
N3AAZ
FM 19 xa

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<http://dl.www.juno.com/get/web/>.

Date: Fri, 09 Aug 2002 05:46:33 -0500

From: Chuck Carpenter <w5usj@9plus.net>

To: mulline@tycoelectronics.com,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [131843] Re: Directional Antenna for HF [W3FF BuddiPole]

Message-ID: <3.0.2.32.20020809054633.007c6e30@mail.9plus.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Check out the W3FF BuddiPole for some ideas too.

He's gone commercial with his neat design but the original homebrew job is still on line.

http://www.qsl.net/w3ff/antenna_design.htm

Email Alt: w5usj@arrl.net, w5usj@go.com

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1

QRP-ARCI #5422, QRP-L #1306, QRPP-I #115, ARS #1280, SOC #57

Zombie #759, COG #11, 6 Club #201, NETXQRP <http://www.netxqrp.org>

Date: Fri, 9 Aug 2002 12:52:18 +0100

From: "Leon Heller" <leon_heller@hotmail.com>

To: "Low Power" <qrp-1@lehigh.edu>

Subject: [131844] Using the Taig lathe

Message-ID: <DAV30ahz5e2seQTn8g00001dcd7@hotmail.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I've got some notes on using the Taig lathe here, including how to turn your first piece of metal:

http://www.geocities.com/leon_heller/taig.html

73, Leon

--

Leon Heller, G1HSM
leon_heller@hotmail.com
http://www.geocities.com/leon_heller

Date: Fri, 09 Aug 2002 08:57:08 -0300
From: Dave Marling <ve1vq@auracom.com>
To: <qrp-l@lehigh.edu>
Subject: [131845] Re: Clisby Vertical Milling Machine and Lathes
Message-ID: <5.1.0.14.0.20020809084608.0191b7b8@mail.auracom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

For those above the CAN/US border interested in the "Tabletop Machining" by Martin, the book (in softcover) is available from Amazon.ca for \$62.89 and from Chapters/Indigo.ca for \$38.15. "Machinery's Handbook" goes for \$164.95 at the former and \$112.00 at the latter. These prices are in CDN\$. Check in second hand book stores for older copies of "Machinery's Handbook". The theory hasn't changed much in the last few years :) Another place to look is at your local community college if they run a machinist's course - they may have slightly older copies left over.

Dave
VE1VQ

Date: Fri, 9 Aug 2002 07:15:51 -0500
From: "Steve Yates - AA5TB" <aa5tb@arrl.net>
To: "QRP-L Distribute" <qrp-l@lehigh.edu>
Subject: [131846] RE: Dipole >?<
Message-ID: <000301c23f9e\$82a613e0\$3d36a6d8@texas.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Nick,

I know that I'm just caught up in semantics and shouldn't continue but I guess it comes from working with Ph.D. types all of the time that are always correcting me...

I will make a small addition to my previous post. A dipole is an antenna a halfwavelength OR LESS. Only then does it satisfy the two pole condition. Of course if it is less than a halfwavelength and NOT fed in the center common mode current will certainly flow on the feeder without a return system (a.k.a counterpoise). Draw the voltage distribution (especially a long one) on a wire and maybe my interpretation will become more clear.

In reality who cares what it is called as long as it works, right? Just don't tell me 73's ;-)

By the way, I have no idea what a henway is.

73,

Steve - AA5TB

<http://aa5tb.home.texas.net/>

Date: Fri, 09 Aug 2002 08:32:41 -0400
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131847] Re: Random Wire vs. Magnetic Loop in Apartment
Message-ID: <3D53B669.4F9F50DA@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

I would also like to recommend G4FGQ's loop software (RJEL00P1):

<http://www.btinternet.com/~g4fgq.regp/page3.html#S301>

He also has written other interesting software that is available on that page.

73,

--Alex (KR1ST)

<http://www.kr1st.com>

Nelson Winter wrote:

> Loop designer software:
> <http://www.qrz.com/download/antennas/mloop31.zip>
>
> Nelson Winter
> WB6DWD

Date: Fri, 9 Aug 2002 09:03:03 -0400
From: "Upton, Shawn" <SUpton@allegromicro.com>
To: qrp-l@lehigh.edu
Subject: [131848] RE: Help with mystery parts? : FAST current regulator
Message-ID: <E1F0152638DBD311AEF700D0B74455E28CAE78@exchange_nh.allegromicro.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

I'd like to see this idea too, as when I look at the datasheet for the LM317, it wants a minimum of 10mA quiescent current for proper load regulation. Also, what is high voltage? Greater than 30V?

>From the LM317 datasheet, max difference between the input/output terminals is 40V. So, if you used a 30 to 40V power supply, you wouldn't (necessarily) have to worry about limiting voltages. I would use several resistors for the current set, so as to have several currents into the diode, so as to measure the knee better. Only thing is, the LM317 wants to have that min of 10mA output current.

For measuring below 30V, I'd be tempted to use something like a 78L05, Vin to a 30 or 35V supply, and using resistors on the order of 500k/50k/5k/500 [to give current steps of 10uA, 100uA, 1mA, and 10mA], hooked up from Vout to GND (GND of the 78L05), and then connecting GND to the zener under test, and then that zener to actual ground. By using a few current steps, you could measure the knee of the zener. Then, you could use that data for the actual zener voltage, at the particular bias, in your circuit.

I don't have the datasheet for the 78L05 in front of me; but even if you measure a diode drop from 35V, the 78L05 would only have to dissipate 300mW--warm for a TO-92, but probably ok for a minute or so. The Iq error of the 78L05 would be a minor error, as you're not really interested in absolute currents. You may want to check on the datasheet for this device before proceeding, in case I missed something glaring.

For higher voltage diodes, maybe this would work: obtain a 100V supply, somehow. You could use the LM317 to regulate, as long as the 40V Input/Output limit is not exceeded. Then, use an IRF510, with 100K from Drain to Gate, a Rset from Source to Out, and a 6.8V zener from Gate to Out.

Out is the output terminal of this circuit. Rset is on the order of 400 ohms. What this (should) do is limit the current to around 10mA. The 100k biases the 6.8V zener, so as to provide around 6 to 7V of bias. The Vgs of the transistor is around 3V, so about 3 to 4 volts is across the Rset--obtaining the 10mA of bias. 10mA should not damage most zeners, as this is only a watt at 100V.

You should probably monitor the actual output current, as it will vary with the zener voltage--current will drop with higher voltage zeners, as the 6.8V bias zener here will loose bias--and drop in voltage too. Also, the IRF510 is listed for 100V Drain to Source voltage, so either use a lower supply (80V?) or step up to a higher voltage FET.

If you have to special order the FET, you might as well use a better bias zener, such as a real shunt voltage reference, say a 10V jobbie. Then, adjust Rset to deal with the increase in voltage. Then, current should not vary as much with the output voltage. Just size the bias resistor so as to work across the voltage range.

Oh yeah, I'd use a 1/4A fuse somewhere in this circuit. Probably ahead of the regulator.

Note: I haven't built this, and I don't know if it will work. It's only suggestions off the top of my head this morning. Good luck.

KB1CKT

Date: Thu, 8 Aug 2002 21:12:13 +0100

From: "Hubert Smits"

To: ,

""Low Power Amateur Radio Discussion""

Subject: [131767] RE: Help with mystery parts? : FAST current regulator

Message-ID: <042601c23f17\$e57430b0\$0100000a@mynote>

MIME-Version: 1.0

Content-Type: text/plain;
charset="US-ASCII"

Content-Transfer-Encoding: 7bit

Zack et al,

Below is an old message that I saved 'just in case'. That case is now. I have a handfull of zenerdiodes, model 0AZ231 and I can't find any data on them (not via google or any semiconductor db I know of). So I better test them to see what voltage they can handle.

What is the procedure that you refer to below, can I find an explanation somewhere?

Thanks, Hubert

| -----Original Message-----

| From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]
| On Behalf Of Lau, Zack, W1VT
| Sent: 05 June 2002 13:10
| To: Low Power Amateur Radio Discussion
| Subject: Re: Help with mystery parts? : FAST current regulator

|
| If you want to measure high voltage zener diodes with
| the LM317, you could place a zener diode across the
| LM317 to limit the input/output voltage differential.
| I'd then add a rotary switch and dropping resistors to
| cover different voltage ranges.

| 73--Zack Lau W1VT
|

Date: Fri, 9 Aug 2002 08:59:01 -0400
From: "Steve Blary" <steve@eclipsecat.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [131849] RE: Dipole >?<
Message-ID: <PPEIIGOHKOAKJAPHAODHOENODJAA.steve@eclipsecat.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> If only one side of the dipole is connected, you are end feeding a
> dipole? I have either forgotten something, never learned something,
> or we are not in Kansas anymore.

feed it on the end, then replace the center insulator with a shorted stub of
the proper length to get the correct phasing on the other side. Feed that
into the smith charts and see what you get <G>!

> "DI" means "2", dipole = 2 poles, or 2 wires - GET IT ? 2 wires fed
> via a 2 conductor feed line.

refers to the "electrical" characteristics not necessarily the physical ones

72's

Steve Blary, N1XC

"I'm not an electrical engineer, I just play one on the internet!"

Date: Fri, 09 Aug 2002 09:02:03 -0400
From: "Randy Randall" <RANDALLR@healthall.com>
To: <qrp-1@lehigh.edu>, <k3tks@u1.abs.net>
Subject: [131850] Re: Clisby Vertical Milling Machine and Lathes
Message-ID: <sd538511.068@jhs_izar.healthall.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Hello. The URL for the US distributor is invalid. Is there an other link?

Randy KB8AS0

>>> George Gingell <k3tks@u1.abs.net> 08/09/02 01:11AM >>>
QRP Friends,

I have looking over the Clisby Product line this week and find them to be very exciting. I am already sure that The CVM 500 Vertical Milling Machine at \$ 249.00 will be on order soon. I also plan to purchase the Model CML 1000 (17") Precision Metal Lathe at \$ 179.00.

My biggest problem at the moment is deciding what additions to order with them. A few are No-Brainers, The lathe headstock (part # 610) to allow use of the Milling machine as a drill press. The second, will be the Wood turning attachment (#405) to allow the Metal Lathe to do wood turnings. Maybe some Doll house parts for my Granddaughters.

I also recommend the following items:

CMM-415 Tool Bit 3/16" \$5.50, CMM-420 Reverse Tool Bit 3/16" \$6.50,
CMM-425 Tool Bit Stock, (set of 3) 3/16" \$ 7.50, CMM-700 Milling Cutters
x9 (set) (1/16,5/64,3/32,7/64,1/8,9/64,5/32,11/64,3/16) \$ 79.50

CMM-750 Milling Cutter 1/32" \$ 14.50 CMM-755 Milling Cutter 3/64" \$ 14.50
CMM-800 Precision Vise \$ 30.00

That should give a pretty near complete, (At least a good start),
Mobile
Machine Shop.

For Insurance, I Highly Recommend Adding at least one or two Drive Belts
CMM-500 at \$ 6.50 EACH. You don't want to wait for AIR Mail from Australia for a spare Belt to finish a project.

Actually I have several in the shop that will likely work. They are from
one of my Portable Key Machines used in my Locksmithing Profession.

Did I mention that these Minature Milling Machines are useful to the Locksmith as Well?

My associate, Earl Litts (An Old Master Locksmith), has several Mills, and
Key machines in his van. Yes, they run off of 12 VDC. (Solar Charged). The
panel is on the van roof.

I had not intended this to be a Commercial, but I realise that it looks
very much that way. O.K., I will personally endorse these little machines. I can't wait to get my hands on the pair.

If you would like to know more, check out the Web site of Brice Hornback,

KA8MAV, <bdh@cyberbound.com> The U.S. Authorized Dealer/ Distributor.

<<http://www.Cyberbound.net/Clisby>>

I would personally like to hear from others who have experience using these or similar Products. What have you made with it? What did you spend
to be able to really make things? How do you like the Product that you
have purchased. Not just Clisby, but Sherline, Taig, Peatol, Etc.

I hear that many of the Sherline Accessories will work with the Clisby line. Not a surprise, since the same man designed them both.

I also hear tell that other accessories are in the pipeline from Clisby.

How about an Adapter to accept 1/8" Bits, Can you say "Dremel"(Tm) or "Black & Decker"(Tm) ?

I am also looking at Dentistry Bits and Key Machine Cutters. I can assure you that I will have a Slotter Wheel adapted to my Machines by Winter time. :^}

I will announce availability of the Cutters and Adapters when available.

I am allowed to re-sell certain Locksmithing Tools and Parts.

Thanks for you time and space. I look forward to hearing how others Use or Plan to use their M.M.M.S. (Minature Mobile Machine Shops) Maybe I can talk Brice into a Web Site for Users of The Clisby and similar Machines.

I know for sure that there are several Experts here on this list.

QRP? You Bet! These Babies are Very QRP! Even QRPp!

The Anxious QRP Machinist...

QRPp Dx Tu, (C) 2002 K3TKS

Sir George, The First :^}

72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and CURRENT Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems, Handyman Services,
Commercial & Residential Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD

20904-7117

Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1,
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

Maryland Milliwatt Club QRP Reference Library, & I.Q.S.F. Donations
Accepted.

RU-QRP? Club Representative, U.S. Treasurer & Founder of I.Q.S.F.

Yes, We take "PayPal" to "George Gingell" <K3TKS@abs.net>

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Fri, 9 Aug 2002 07:21:43 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
"cq-c-1" <CQCLIST@yahoo.com>
Cc: <sslyon@megalink.net>
Subject: [131851] Rock-Mite: AAiMY & N0RC to attempt LD QSO
Message-ID: <009901c23fa7\$b4f441b0\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

Tonight Fri (US time zones) Seab and I will attempt to contact each
other, Rock-Mite to Rock-Mite! "How far is it?",
<http://www.indo.com/distance/>, put us 1758 miles (2830 km) apart. Our
plan is to try calling each other on the hour at 9, 10, and 11 EDT, (7,
8, 9 MDT/0100, 0200, 0300 UTC). Give a listen and see if we're
successful! If you don't hear us QSO after about 5-10min, but do hear
one of us, give a call for a quick QSO.

73, Rod N0RC

Date: Fri, 09 Aug 2002 09:31:46 -0400
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131852] Re: End Fed Dipole FAILS
Message-ID: <3D538C02.6320.350012@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 8 Aug 2002 at 9:35, Karl F. Larsen wrote:

>
> The end fed 44 foot wire using 300 ohm ribbon 29 feet long is a
> complete failure. Of course it works pretty well but it's function is
> that of a Marconi inverted L antenna.
>
> I just took a florescent light bulb and running 50 watts into the
> End Fed I held the light near the feed line as far as I can reach from
> the ground and it lights to full intensity.
>
> Then I got my 88 foot long Center Fed Dipole fed with 450 ohm
> ribbon back up and ran the same test. I was not able to light the bulb
> at any point I could reach from the ground.
>
> So I can replace the 300 ohm ribbon with a single wire and it
> should work almost exactly as it does now. I guess the radio and the 12

> volt power supply and the house wire made a counterpoise that
> works...:-(
>

And isn't that what everyone (including me) told you? AND, I seem to recall mentioning that when the truth finally dawned, it wouldn't be another Karl Larsen screwup, but a "Professor Karl does another experiment, demonstrating his great expertise."

Mr. Rogers, you ain't!

--

/ \ / \ / \ / \ / \ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
_ / _ / _ / _ / _ / QRPARCI, NJQRP, ARQrp, GQRP, RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Fri, 09 Aug 2002 09:46:49 -0400
From: Ed Lawson <k1vp@grizzly.com>
To: steve@eclipsecat.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [131853] Re: Dipole >?<
Message-ID: <3D53C7C9.80300@grizzly.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Steve Blary wrote:

>
>refers to the "electrical" characteristics not necessarily the physical ones
>
>
>
>
>
Would it then be fair to say that all antennas are dipoles?

Ed Lawson
K1VP

Date: Fri, 9 Aug 2002 09:59:47 -0400
From: "Steve Blary" <steve@eclipsecat.com>
To: <k1vp@grizzly.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [131854] RE: Dipole >?<
Message-ID: <PPEIIGOHKOAKJAPHAODHGE0ADJAA.steve@eclipsecat.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="US-ASCII"
Content-Transfer-Encoding: 7bit

no, because not all antennas would have the same current/voltage
distributions that make a dipole behave like a dipole.

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
> Ed Lawson
> Sent: Friday, August 09, 2002 9:47 AM
> To: Low Power Amateur Radio Discussion

> Subject: Re: Dipole >?<
>
>
> Steve Blary wrote:
>
> >
> >refers to the "electrical" characteristics not necessarily the
> physical ones
> >
> >
> >
> >
> Would it then be fair to say that all antennas are dipoles?
>
>
> Ed Lawson
> K1VP
>
>

Date: Fri, 9 Aug 2002 08:10:02 -0600
From: "Mugleston, Brad" <brad.mugleston@gwl.com>
To: CQCLIST@yahooogroups.com,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [131855] RE: [CQCLIST] Altoids tins available
Message-ID: <F9645092A142D3118CBD00805F15292E1E90D3BB@eb-mail1.gwl.com>
MIME-Version: 1.0
Content-Type: text/plain

Sounds like we have an Altoids junkie in our group. I can't believe he only has 12 of them. Once people found out I was saving them I have people I don't even know giving them to me.

> -----Original Message-----
> From: Rod N0RC [SMTP:rod@n0rc.us]
> Sent: Friday, August 09, 2002 8:08 AM
> To: Low Power Amateur Radio Discussion; cqcl-1
> Subject: [CQCLIST] Altoids tins available
>
> Folks,
>
> I have 12 extra empty Altoids tins, 8 red, 4 green (wintergreen mint).
> I'll never use them all. If you would like one, please send \$1 to help
> offset mailing expense & I'll send you one. Send email to reserve one,
> and I'll respond with my postal address.

>
> 73, Rod N0RC
>
>
>
>
>
> ----- Yahoo! Groups Sponsor ----->
> Access Your PC from Anywhere - Free Trial
> <http://us.click.yahoo.com/o5uw2C/0ncEAA/Ey.GAA/ELTo1B/TM>
> ----->
>
> To unsubscribe from this group, send an email to:
> CQCLIST-unsubscribe@yahoogroups.com
>
>
>
> Your use of Yahoo! Groups is subject to <http://docs.yahoo.com/info/terms/>
>

Date: Fri, 9 Aug 2002 08:07:46 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>,
"cqc-1" <CQCLIST@yahoogroups.com>
Subject: [131856] Altoids tins available
Message-ID: <00cd01c23fae\$23bf8a90\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

I have 12 extra empty Altoids tins, 8 red, 4 green (wintergreen mint).
I'll never use them all. If you would like one, please send \$1 to help
offset mailing expense & I'll send you one. Send email to reserve one,
and I'll respond with my postal address.

73, Rod N0RC

Date: Fri, 09 Aug 2002 08:23:28 -0600
From: "P.Ermisch" <ermisch@usa.net>

To: <qrp-1@lehigh.edu>
Subject: [131857] trufffle log clarification
Message-ID: <20020809142328.29921.qmail@uwdvg001.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

I did work two milliwatt stations last night but listed their power in a non-standard way. Here is the log again with the milliwatters more clearly indicated.

0133 K5JHP 559 BILL TX 5W
0134 N9NE 559 TODD WI 100mw
0135 K8CV 599 WALT MI 5W
0139 K7IE 599 CLAIR OR 5W
0140 N5ZE 579 LEW TX 5W
0141 KZ5J 559 PAT TX 3W
0142 KG4LDY 579 JIM VA 5W
0143 W5USJ 599 CHUCK TX 5W
0144 KB7WW 559 ART OR 5W
0145 N1TP 579 TOM FL 5W
0147 K4GT 599 JIM GA 5W
0148 N3XRV 559 CHRIS PA 5W
0152 KB9YIG 579 TONY IN 500mw
0152 K4FB 599 PAUL FL 5W
0154 K9UT 579 JERRY IN 5W
0155 VA6RF 599 EARL AB 5W
0156 K8HJ 559 JOHN MI 5W
0200 AJ4AY 449 JACK AL 4W

73 Paul KB0LUR

Date: Fri, 09 Aug 2002 10:35:50 -0400
From: Ed Lawson <k1vp@grizzly.com>
To: Steve Blary <steve@eclipsecat.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [131858] Re: Dipole >?<
Message-ID: <3D53D346.9010309@grizzly.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Steve Blary wrote:

>no, because not all antennas would have the same current/voltage
>distributions that make a dipole behave like a dipole.

>
>
>

Then would it be fair to say that any antenna which duplicates the
current/voltage distributions found along one side of the "classic"
center fed 1/2 wave dipole can be called a dipole?

And to follow up on Jerry's (W3CDE) post, whether a single wire antenna
is a dipole or a monopole depends on the current/voltage distribution
along its length?

Lastly, a doublet may or may not be a dipole based upon the above?

Ed lawson

K1VP

Who is trying to learn about dipoles

Date: Fri, 9 Aug 2002 09:51:25 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [131859] RE: Dipole >?<
Message-ID: <01C23F8A.540EFBA0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I'll bite, how do they behave?

We've learned that dipoles may be one or two conductors, fed at the center, or off
center, or at the end. Where's the uniqueness?

72 & TNX,

Nick, WA5BDU

-----Original Message-----

From: Steve Blary [SMTP:steve@eclipsecat.com]
Sent: Friday, August 09, 2002 9:00 AM
To: Low Power Amateur Radio Discussion
Subject: RE: Dipole >?<

no, because not all antennas would have the same current/voltage distributions that make a dipole behave like a dipole.

>
> >
> Would it then be fair to say that all antennas are dipoles?
>
>
> Ed Lawson
> K1VP

Date: Fri, 09 Aug 2002 10:52:58 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: kc8aon@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131860] Re: Dipole >?<
Message-ID: <3D53D74A.22D6DEB5@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ain't it clear that there is no agreed upon definition of antenna types on this list? How many of us have actually read the ARRL Antenna Book, or similar "professional" publication, either in part or in full? Maybe we should be assigned a course in remedial reading before we post what we think our antennas are!

73

Date: Fri, 9 Aug 2002 10:55:06 -0400
From: "Steve Blary" <steve@eclipsecat.com>
To: "Ed Lawson" <k1vp@grizzly.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131861] RE: Dipole >?<
Message-ID: <PPEIIGOHKOAKJAPHAODHKEOBDJAA.steve@eclipsecat.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: 7bit

> Then would it be fair to say that any antenna which duplicates the
> current/voltage distributions found along one side of the "classic"
> center fed 1/2 wave dipole can be called a dipole?

yes with the exception to the "one side" requirement, because both "sides" are radiating.

> And to follow up on Jerry's (W3CDE) post, whether a single wire antenna
> is a dipole or a monopole depends on the current/voltage distribution
> along its length?

I would agree with that statement, remember we are concerned with electrical characteristics not the physical appearance of the antenna. Although the physical construction may dictate electrical characteristics there is more than one way to skin a cat <G>.

> Lastly, a doublet may or may not be a dipole based upon the above?

not an antenna expert, but I would also agree with that statement. Or better yet it wouldn't always behave as a dipole, depends on what frequency it is operated at.

72's
Steve Blary N1XC

Date: Fri, 9 Aug 2002 10:57:36 -0400
From: "Steve Blary" <steve@eclipsecat.com>
To: <nkennedy@tcainternet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131862] RE: Dipole >?<
Message-ID: <PPEIIGOHKOAKJAPHAODHAE0CDJAA.steve@eclipsecat.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="US-ASCII"
Content-Transfer-Encoding: 7bit

> I'll bite, how do they behave?
>
> We've learned that dipoles may be one or two conductors, fed at
> the center, or off center, or at the end. Where's the uniqueness?

for those details I would suggest an antenna reference book.

72's
Steve N1XC

Date: Fri, 09 Aug 2002 11:06:07 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: rod@n0rc.us
Cc: qrp-l@lehigh.edu
Subject: [131863] Re: ROCK-MITE Hunting Re: ROCK MITE tonite...
Message-ID: <3.0.6.32.20020809110607.007a7100@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>
>I did here two very weak stations at 7039+ could make out much QSO
>detail. I did copy one station send ROCKM. Could this have be you, or
>the other station?
>
Ron,

That might have been me :-) I worked a weak "3" station last night about that time, think he was at 5 watts. I had the rig on with the headphones laying on the table, while I was reading a book, and heard "CQ" coming out of the headphones, so know he was close enough on frequency to answer :-) I had also heard AA1MY calling CQ earlier, but didn't answer him, hi!

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Fri, 09 Aug 2002 11:21:58 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [131864] Rock'en Rock Nite's
Message-ID: <3.0.6.32.20020809112158.007aabd0@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Yah Know, I was think'in last night, seeing there should be a whole lot of Rock Mites being built about now, and tons of SMK-1's and TT-2's already out there, all on 7.0400 +/-, we should have weekly "Rock'en Rock Nites"

I would think late Sunday nights (after 10 pm local) might be a good time to have these, as the band is otherwise pretty quiet then...

72,
Steve, KD1JV

"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Fri, 09 Aug 2002 15:07:37 +0000
From: mparkes@att.net
To: qrp-l@lehigh.edu
Subject: [131865] DK9SQ mast repair question
Message-ID:
<20020809150738.DXEI8052.mtiwmhc21.worldnet.att.net@webmail.worldnet.att.net>

I just acquired a dk9sq mast which has one slightly damaged section - one of the smaller sections towards the top was crunched a little (a few splits extending an inch or so back from the end) and was wrapped in red elec tape to hold it securely - this seems to work for okay (as long as I don't try and pull the enclosed section out too hard in which case it pops out)
I would like to attempt to repair the fiberglass somehow - does anyone have experience with this or am I better off just leaving it alone?
thanks Mike AB7RU

Date: Fri, 9 Aug 2002 08:11:20 -0700 (PDT)
From: Richard Fisher <ki6sn@yahoo.com>
To: John Huffman <hjohnc@core.com>, QRP-L Reflector <qrp-l@lehigh.edu>, Charles Wilber <Charles.B.Wilber@Dartmouth.edu>
Subject: [131866] Now Showing - The ARS Sojourner
Message-ID: <20020809151120.6438.qmail@web12101.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

The August edition of the Adventure Radio Society's monthly web magazine, The ARS Sojourner, is hot off the press and free for the clicking at:

<http://www.natworld.com/ars>

Here's a look at this month's content:

- + The 2002 Flight of the Bumblebees results and soapbox comments
- + Offshore Buzz During the Flight of the Bumblebees, by Paul Stroud, AA4XX
- + Return to Coyote Gulch: An ARS Adventure, by Dr. Bob Armstrong, N7XJ

- + A Hot Field Day Adventure, by Bruce Grubbs, N7CEE
- + Mamore Madness: Part Four, by Richard Newstead, G3CWI
- + ARS' Leadership Evolves, by The ARS Sojourner
- + Results and soapbox comments from the August Spartan Sprint, with division champs N7RVD and N7LT, by John Huffman, K8HJ
- + The Wilderness Alerts for August, 2002 (regularly updated)
- + From Our Vantage Point, by The ARS Sojourner
- + Who's Who and Who's New: New Members of the Adventure Radio Society, by Richard Fisher, KI6SN

On behalf of ARS webmaster Charlie Wilber, N1AOK, contest manager John Huffman, K8HJ, The ARS Sojourner staff and contributing writers, we hope you enjoy the August edition. As always, we appreciate your feedback and editorial contributions for coming editions.

Vy 72,

Richard Fisher, KI6SN
Executive editor, The ARS Sojourner
Riverside, CA
KI6SN@yahoo.com

Do You Yahoo!?
HotJobs - Search Thousands of New Jobs
<http://www.hotjobs.com>

Date: Fri, 9 Aug 2002 09:12:28 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: <rod@n0rc.us>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131867] Re: Rock-Mite: AA1MY & N0RC to attempt LD QSO
Message-ID: <011901c23fb7\$2dd11f40\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

First, let's get Seab's call correct AA1MY not AAiMY, sorry Seab.

Second, been asked for Freq. Rock-Mites have two, typically 7039+/7040-

73, Rod N0RC
the Rock-Mite files,

<http://www.radioactivehams.com/~n0rc/rm/>

----- Original Message -----

From: "Rod N0RC" <rod@n0rc.us>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Friday, August 09, 2002 7:21 AM

Subject: Rock-Mite: AAiMY & N0RC to attempt LD QSO

> Folks,

>

> Tonight Fri (US time zones) Seab and I will attempt to contact each

> other, Rock-Mite to Rock-Mite! "How far is it?",

> <http://www.indo.com/distance/>, put us 1758 miles (2830 km) apart. Our

> plan is to try calling each other on the hour at 9, 10, and 11 EDT,

> (7,

> 8, 9 MDT/0100, 0200, 0300 UTC). Give a listen and see if we're

> successful! If you don't hear us QSO after about 5-10min, but do hear

> one of us, give a call for a quick QSO.

>

> 73, Rod N0RC

>

>

>

>

>

Date: Fri, 09 Aug 2002 11:15:28 -0400

From: David Hinerman <WD8CIV@worldnet.att.net>

To: qrp-1@lehigh.edu

Subject: [131868] Re: Dipole >?<

Message-ID: <5.1.0.14.1.20020809110416.00a75a00@ipostoffice.worldnet.att.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 10:52 AM 8/9/2002 -0400, you wrote:

>Ain't it clear that there is no agreed upon definition of antenna types

>on this list? How many of us have actually read the ARRL Antenna Book,

>or similar "professional" publication, either in part or in full? Maybe

>we should be assigned a course in remedial reading before we post what

>we think our antennas are!

Bruce,

I'm afraid what we're seeing is hands-on people (who have been very successful, I might add) describing what they've done or what they know to be correct, but not necessarily in the formal language of physics.

I get into that situation all the time. I write software for electricity meters, but occasionally I get to talk to a meter engineer - and neither of us understands the other. I don't know (much of) the language of metering, and he doesn't know the language of software.

For a good time, get a power engineer, a radio engineer, and a meter engineer in the same room and ask them what "Q" is. The power engineer (at least the one I met, a prof at Clemson) says it is quadrature power, or VARs. The radio engineer says it's the quality factor of a circuit with reactance. (That's what gets talked about on this list.) The meter engineer says it's way of indirectly measuring reactive power by crosswiring a 3-phase wattmeter to make a 60-degree phase shift between volts and amps. Now imagine trying to discuss power measurement with these people.

Dave

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Fri, 9 Aug 2002 09:21:13 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: <kd1jv@moose.ncia.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131869] Re: Rock'en Rock Nite's
Message-ID: <013a01c23fb8\$66475b40\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Cool idea let's do it!

I'll be Sun with the Rocky Mt. Rock-Mite

I post a note on my "Rock-Mite file" page

73, Rod N0RC

----- Original Message -----

From: "Steven Weber" <kd1jv@moose.ncia.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, August 09, 2002 9:21 AM
Subject: Rock'en Rock Nite's

> Yah Know, I was think'in last night, seeing there should be a whole
lot of
> Rock Mites being built about now, and tons of SMK-1's and TT-2's
already
> out there, all on 7.0400 +/-, we should have weekly "Rock'en Rock
Nites"
>
> I would think late Sunday nights (after 10 pm local) might be a good
time
> to have these, as the band is otherwise pretty quiet then...
> 72,
> Steve, KD1JV
> "Melt Solder"
> White Mountains of New Hampshire
> <http://www.qsl.net/kd1jv/>
>

Date: Fri, 9 Aug 2002 10:23:12 -0500
From: "pschweit" <pschweit@mninter.net>
To: <leon_heller@hotmail.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131870] Re: Clisby Vertical Milling Machine and Lathes
Message-ID: <003601c23fb8\$ae3f1fa0\$b8e7add1@pschweit>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

why just steam???

just make a Sterling engine,,,, run your radio on the hot coffee you are
drinking

de KA0PGQ

----- Original Message -----

From: Leon Heller <leon_heller@hotmail.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Friday, August 09, 2002 3:43 AM

Subject: Re: Clisby Vertical Milling Machine and Lathes

>
>
>
> >From: "Tim, N9PUZ" <n9puz@arrl.net>
> >Reply-To: n9puz@arrl.net
> >To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> >Subject: Re: Clisby Vertical Milling Machine and Lathes
> >Date: Thu, 8 Aug 2002 22:15:24 -0500
> >
> >On Thu, 08 Aug 2002 17:47:30 -0500, Brice D. Hornback wrote:
> >
> > >What all uses can you folks think of for a small vertical milling
> > >machine and lathe besides the ones I've mentioned???
> >
> Slow-motion drives, roller coasters, shaft encoders, microwave parts. How
> about a small steam engine to power a small generator - a steam-powered
> radio? 8-)
>
> 73, Leon
> --
> Leon Heller, G1HSM Tel: +44 1424 14790
> Email:leon_heller@hotmail.com
> My web page: http://www.geocities.com/leon_heller
> My low-cost Altera Flex design kit: <http://www.leonheller.com>
>
>
> -----
> Chat with friends online, try MSN Messenger: <http://messenger.msn.com>
>

Date: Fri, 9 Aug 2002 09:47:48 -0600 (MDT)

From: "Karl F. Larsen" <k5di@zianet.com>

To: qrp-l@lehigh.edu

Subject: [131871] Smith Chart

Message-ID: <Pine.LNX.4.44.0208090934400.2605-100000@Daisy.dog>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I called a friend at NMSU and asked him if these Charts are still in use at the college level. He said Jeff (a prof) has a paper he hands out to every student in a class called "Antenna's" and one called "Microwave Design" and both are Senior EE level. The paper is called "Smith Charts for Dummies".

They have HP Instruments in the labs that actually measure a feed line and calculate the value of components to use that complete a full conjugate match. Also the sales paper for the HP model 8751A instrument contains a new look at what a conjugate match really is and why you want it. The instrument has an oscilloscope that has a Smith Chart displayed with the load and source points displayed and looks like a trail of where they moved. I want to play with the instrument soon and see how well it works. It was new in 1992.

--

Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Fri, 9 Aug 2002 13:37:00 +0100
From: "Leon Heller" <leon_heller@hotmail.com>
To: "Low Power" <qrp-l@lehigh.edu>
Subject: [131872] SL560 RF amplifier
Message-ID: <DAV42eIiGXix4A2DreB0001de4b@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Although it hasn't been made for some years, the Plessey SL560 RF amplifier is still a useful device, if you can find them. It comes in an 8-pin DIL package and is very easy to use. I picked some up at a radio rally a couple of years ago, and have just used one in a general-purpose RF amplifier. The bandwidth is 300 MHz as a 50 ohm line driver, but I'm using it in the low noise pre-amp configuration, giving about 32 dB gain with a 6V supply, up to 75 MHz or so. The input impedance in this configuration is 200 ohms, so I've used a 4:1 transmission line transformer at the input, to match it to 50 ohms. Construction is ugly, on a scrap of PCB as a ground plane.

I'll be using it primarily for measuring the parallel resonant frequencies of crystals - the attenuation is so high that I can't see the signal properly on my scope without some amplification. As a line driver, I've used

them in the past for driving diode DBMs.

I had some trouble finding the data sheet. It's on the Zarlink web site.

IIRC, Dan, he of the small parts, has stocked them in the past.

73, Leon

--

Leon Heller, G1HSM

leon_heller@hotmail.com

http://www.geocities.com/leon_heller

Date: Fri, 9 Aug 2002 09:10:48 -0700
From: Marv Fagenson <k6hcj@juno.com>
To: qrp-1@lehigh.edu
Subject: [131873] Ten Tec 208 CW Filter
Message-ID: <20020809.091050.-307283.0.k6hcj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Anyone have a copy of the schematic and/or the pinouts for the cable for the Ten Tec 208 Filter, please. This is the companion for the Argonaut 509. I will be pleased to offset copy/mail costs or the cost of a fax.

Tnx, 72

Marv Fagenson

k6hcj@Juno.com

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<http://dl.www.juno.com/get/web/>.

Date: Fri, 09 Aug 2002 11:35:40 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: RANDALLR@healthall.com,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Cc: k3tks@u1.abs.net
Subject: [131874] Re: Clisby Vertical Milling Machine and Lathes
Message-ID: <06d701c23fc2\$ccc0fc00\$6501a8c0@cstltn01.in.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

Clisby Miniature Machines
<http://www.cyberbound.net/clisby>

Remember folks... the Internet is case sensitive.

73/72/71! de Brice KA8MAV

----- Original Message -----

From: "Randy Randall" <RANDALLR@healthall.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, August 09, 2002 8:02 AM
Subject: Re: Clisby Vertical Milling Machine and Lathes

> Hello. The URL for the US distributor is invalid. Is there an other
> link?
>
> Randy KB8ASO
>
> >>> George Gingell <k3tks@u1.abs.net> 08/09/02 01:11AM >>>
> QRP Friends,
>
> I have looking over the Clisby Product line this week and find them to
> be
> very exciting. I am already sure that The CVM 500 Vertical Milling
> Machine
> at \$ 249.00 will be on order soon. I also plan to purchase the Model
> CML
> 1000 (17") Precision Metal Lathe at \$ 179.00.
>
> My biggest problem at the moment is deciding what additions to order
> with
> them. A few are No-Brainers, The lathe headstock (part # 610) to
> allow
> use of the Milling machine as a drill press. The second, will be the
> Wood
> turning attachment (#405) to allow the Metal Lathe to do wood
> turnings.
> Maybe some Doll house parts for my Granddaughters.
>
> I also recommend the following items:
>
> CMM-415 Tool Bit 3/16" \$5.50, CMM-420 Reverse Tool Bit 3/16" \$6.50,
> CMM-425 Tool Bit Stock, (set of 3) 3/16" \$ 7.50, CMM-700 Milling
> Cutters
> x9 (set) (1/16,5/64,3/32,7/64,1/8,9/64,5/32,11/64,3/16) \$ 79.50

> CMM-750 Milling Cutter 1/32" \$ 14.50 CMM-755 Milling Cutter 3/64" \$
> 14.50
> CMM-800 Precision Vise \$ 30.00
>
> That should give a pretty near complete, (At least a good start),
> Mobile
> Machine Shop.
>
>
> For Insurance, I Highly Recommend Adding at least one or two Drive
> Belts
> CMM-500 at \$ 6.50 EACH. You don't want to wait for AIR Mail from
> Australia for a spare Belt to finish a project.
>
> Actually I have several in the shop that will likely work. They are
> from
> one of my Portable Key Machines used in my Locksmithing Profession.
>
> Did I mention that these Minature Milling Machines are useful to the
> Locksmith as Well?
>
> My associate, Earl Litts (An Old Master Locksmith), has several Mills,
> and
> Key machines in his van. Yes, they run off of 12 VDC. (Solar Charged).
> The
> panel is on the van roof.
>
>
> I had not intended this to be a Commercial, but I realise that it
> looks
> very much that way. O.K., I will personally endorse these little
> machines. I can't wait to get my hands on the pair.
>
>
> If you would like to know more, check out the Web site of Brice
> Hornback,
>
> KA8MAV, <bdh@cyberbound.com> The U.S. Authorized Dealer/ Distributor.
>
> <<http://www.Cyberbound.net/Clisby>>
>
>
> I would personally like to hear from others who have experience using
> these or similar Products. What have you made with it? What did you
> spend
> to be able to really make things? How do you like the Product that
> you
> have purchased. Not just Clisby, but Sherline, Taig, Peatol, Etc.

>
> I hear that many of the Sherline Accessories will work with the Clisby
> line. Not a surprise, since the same man designed them both.
>
> I also hear tell that other accessories are in the pipeline from
> Clisby.
>
> How about an Adapter to accept 1/8" Bits, Can you say "Dremel"(Tm) or
> "Black & Decker"(Tm) ?
>
> I am also looking at Dentistry Bits and Key Machine Cutters. I can
> assure
> you that I will have a Slotter Wheel adapted to my Machines by Winter
> time. :^}
>
> I will announce availability of the Cutters and Adapters when
> available.
>
> I am allowed to re-sell certain Locksmithing Tools and Parts.
>
>
> Thanks for you time and space. I look forward to hearing how others Use
> or
> Plan to use their M.M.M.S. (Minature Mobile Machine Shops) Maybe I
> can
> talk Brice into a Web Site for Users of The Clisby and similar
> Machines.
>
> I know for sure that there are several Experts here on this list.
>
> QRP? You Bet! These Babies are Very QRP! Even QRPp!
>
>
> The Anxious QRP Machinist...
>
>
>
> QRPp Dx Tu, (C) 2002 K3TKS
>
> Sir George, The First :^}
>
> 72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
> Former QRP A.R.C.I. Net Manager and CURRENT Board of Director Member.
> Gingell & Company, Ltd. Small Business Telephone Systems, Handyman
> Services,
> Commercial & Residential Locksmith Services (301) 572-6789 Office &
> Fax
> George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD

> 20904-7117
> Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1,
> Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
> Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.
>
> Collector of Quartz Crystals and Telegraph Keys.
>
> Maryland Milliwatt Club QRP Reference Library, & I.Q.S.F. Donations
> Accepted.
>
> RU-QRP? Club Representative, U.S. Treasurer & Founder of I.Q.S.F.
>
> Yes, We take "PayPal" to "George Gingell" <K3TKS@abs.net>
>
> "72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM
>
>

Date: Fri, 9 Aug 2002 12:59:56 -0400
From: "Thomas Tate" <t.r.tate@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
<mparkes@att.net>
Subject: [131875] Re: DK9SQ mast repair question
Message-ID: <008601c23fc6\$368ed500\$9c24ee41@r.tate>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mike,

If the section is large enough that you can insert a piece of dowel wrapped with two layers of fiberglass cloth then it is fixable. I've listed two methods here. The problem is that if you use this first procedure you may not be able to collapse the mast all the way. Hopefully your break is near the top or bottom of the affected section. Read through and ask questions before you begin.

This is the procedure used by Radio Control Glider Guiders to repair broken fuselages.

Remove the broken section from the mast before beginning.

Using tape on the outside of the broken section, tape the broken section so that it looks normal.

Sand a piece of dowel to the general taper of the broken section. Leave it long enough that it reaches the broken section and still sticks out the

bottom.

Wrap the dowel with one wrap of sandpaper and rough up the inside surface. Then soak the piece of fiberglass cloth in 15 minute or greater epoxy. The 5 minute stuff can be used but will not be as strong.

Wrap the soaked cloth on the dowel and jam fit it inside the broken part.

Don't jam so hard that you burst the tape on the outside though.

Tape the dowel in place so it won't fall out while it is setting up.

Leave it to set up.

After 24 hours cut off the excess dowel and remove the tape on the outside.

Sand off any excess glue. If you have removed any of the black paint just repaint with any black matte paint.

Reassemble.

If you want collapse the mast normally, you can create a hollow section of fiberglass tube to use in place of the dowel which may allow you to collapse the mast.

To do this, do the following. Wrap the sanded and cleaned dowel with plastic wrap such as Saran Wrap.

Put the soaked fiberglass cloth on it and smooth it as much as possible.

Wrap in Saran wrap and test fit it inside the broken part. This will mash the glue into the shape needed. Remove before it sets up.

Let it set up standing or hanging so you don't get a flat side. When it has setup completely remove all traces of the saran wrap by lightly sanding. Try not to change the shape.

Remove the dowel and saran wrap to be sure it hasn't accidentally been bonded together. You should now have a fiberglass tube that fits exactly to your broken part.

Put the dowel back inside the new tube.

Smear the outside of the new tube with epoxy and push inside the broken part with the dowel till it fits neatly.

Remove the dowel and wait for it to set up.

You can buy the fiberglass cloth and epoxy at most any hobby shop. Do not use auto body repair epoxy or cloth. They use a different mesh and glue. It won't bond properly to the mast.

Hope that helps.

73 de Tom WA7NPX

----- Original Message -----

From: <mparkes@att.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Friday, August 09, 2002 11:07 AM

Subject: DK9SQ mast repair question

> I just acquired a dk9sq mast which has one slightly

> damaged section - one of the smaller sections towards
> the top was crunched a little (a few splits extending an
> inch or so back from the end) and was wrapped in red
> elec tape to hold it securely - this seems to work for
> okay (as long as I don't try and pull the enclosed
> section out too hard in which case it pops out)
> I would like to attempt to repair the fiberglass
> somehow - does anyone have experience with this or am I
> better off just leaving it alone?
> thanks Mike AB7RU
>

Date: Fri, 9 Aug 2002 13:09:27 -0400
From: "Robin Kidd" <robink@us.ibm.com>
To: qrp-l@lehigh.edu
Subject: [131876] OT: Good Mobile Antenna for QRP
Message-ID: <0F0FF977BF.152FB2E8-0N85256C10.005DB723@boulder.ibm.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

I know this is a little off topic but I am stumped. I have an IC-706MKIIG mobile connected to a Hustler 20m antenna. I am using an MFJ tuner and seem to get about 1.5:1 SWR. The problems are two: (1) On 20M I am getting a tremendous amount of static. (2) I have been trying for 4 weeks to get someone to answer my call. I am looking for help here. If I can get the antenna to radio combination working good I want to turn the power down to 5 watts to work QRP. By the way the antenna does not have a ground wire connected, is that my problem? Thanks in advance.

Also thanks to everyone who responded to my questions about the magnetic loop - got some great links. Thanks again...

Regards,

Robin J. Kidd
KG4RSQ

Remember, the Ark was created by inspired amateurs but the Titanic was created by professionals...

kg4rsq@arrl.net

Date: Fri, 9 Aug 2002 10:22:02 -0700
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131877] Re: [CQCLIST] Altoids tins available
Message-ID: <20020809172202.GA2191@bob.localnet>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Hmm, sounds like a revision on the old tale about getting supplies for the "beer can vertical".

On Fri, Aug 09, 2002 at 08:10:02AM -0600, Mugleston, Brad wrote:

> Sounds like we have an Altoids junkie in our group. I can't believe he only
> has 12 of them. Once people found out I was saving them I have people I
> don't even know giving them to me.

>

> > -----Original Message-----

> > From: Rod N0RC [SMTP:rod@n0rc.us]

> > Sent: Friday, August 09, 2002 8:08 AM

> > To: Low Power Amateur Radio Discussion; cqcl-l

> > Subject: [CQCLIST] Altoids tins available

> >

> > Folks,

> >

> > I have 12 extra empty Altoids tins, 8 red, 4 green (wintergreen mint).

> > I'll never use them all. If you would like one, please send \$1 to help

> > offset mailing expense & I'll send you one. Send email to reserve one,

> > and I'll respond with my postal address.

> >

> > 73, Rod N0RC

> >

> >

> >

> >

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> > CQCLIST-unsubscribe@yahoogroups.com

> >

> >

> >

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> >

--

Bob Nielsen, N7XY
Bainbridge Island, WA
IOTA NA-065, USI WA-028S

n7xy@n7xy.net

Date: Fri, 09 Aug 2002 18:12:58 +0100
From: Goran Hosinsky <hosinsky@jet.es>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [131878] Inverted Vee with single wire feedline
Message-ID: <3D53F81A.7080603@jet.es>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Hi,

I prefer the dipole type of antennas when being portable. They have worked better for me than the various verticals and random wires that I have tried. With the DK9SQ mast I can get the Inverted Vee's up to a reasonable height for 20 meters but I do have to use a feed line. 10+ meters of rg174 is not ideal for 20 meters and up.

Last outing I tried a new version of my inverted Vee:
I put it up with the center point at about 9 meters. At one end of the dipole I added half a wavelength of wire that reached down to the ground. There I just connected the wire to the tuner of my K1 and added a short counterpoise. This worked fb for me.

Looking at an Elnec plot the radiation is not quite symmetrical but who cares!

72
Goran ea8yu
La Palma Island

Date: Fri, 09 Aug 2002 13:50:54 -0400
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [131879] DSWTUN95 release 2.02 now on-line

Message-ID: <F32cMGeHwwne32uW1MJ0000734d@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

Hi, gang.

Man, it's fun to lay out of work and play on the radio and pc!

I mean, I can take only so much of the QRO VFAC drives testing everyday...high-performance VME-bus control racks...ENORMOUS IGBT power bridges...ahhh the wonderful QRP life down here in studio D (Den).

DSWTUN95 release 2.02 is ready for use.

The new text file explains some of the latest capability. URL below.

73.

Bill, N4QA

<http://www.qsl.net/n4qa/>

Due to spam countermeasures, responses accepted via QRP-L and personal contacts list only.

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: Fri, 9 Aug 2002 14:06:14 -0400

From: "Joe Roof" <jroof@mindspring.com>

To: <qrp-l@lehigh.edu>

Subject: [131880] Re: DK9SQ mast repair question

Message-ID: <002901c23fcf\$734b73a0\$6401a8c0@joes>

When I broke the top section of mine, Bill Kelsey at Kanga US sent me a replacement for a very reasonable price. Can't remember now how much, but cheap enough so I wouldn't mess with trying to fix it.

Kanga@bright.net

72

Joe, w4jhr

Date: Fri, 9 Aug 2002 14:10:43 -0400

From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131881] RE: DK9SQ mast repair question
Message-ID: <721D3436A7C2B344A301FD4A413C71A91617EF@kosh.ARRLHQ.ORG>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

If memory serves, individual sections of mast should be available. See =
if Kanga US can help, if not, contact DK9SQ directly.

>From <http://www.arrl.org/tis/tisfind.html>:

Kanga US
3521 Spring Lake Drive
Findlay, OH 45840
Tel: 419-423-4604
419-423-5643
Email: kanga@bright.net
<http://www.bright.net/~kanga/kanga/>
Products and Services=20
KIT>AMATEUR RADIO KIT; APPEARS IN ARRL HANDBOOK; ANTENNA>ANTENNA TUNER; =
MORSE CODE>KEYER; TEST EQUIPMENT>DUMMY LOAD; TEST EQUIPMENT>SWR METER;=20
Notes: Bill Kelsey, N8ET - 'I import kits from Kanga in the UK - most of =
them come from SPRAT - the journal of the G-QRP Club. I also have the =
Super Tee Antenna Tuner and a range of high performance direct =
conversion kits designed by KK7B. Hands Electronics Kits from Wales are =
a recent addition to my line, including a 10 band 15 watt transceiver =
with DDS VFO and microprocessor controller.=20

If any of you have not met Bill Kelsey, stop by his booth the next time =
he is at a convention. IMHO, he is one of the Good Guys!

73,=20
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----
> From: mparkes@att.net [mailto:mparkes@att.net]
> Sent: Friday, August 09, 2002 11:08 AM
> To: Low Power Amateur Radio Discussion
> Subject: DK9SQ mast repair question

>=20
>=20
> I just acquired a dk9sq mast which has one slightly=20
> damaged section - one of the smaller sections towards=20
> the top was crunched a little (a few splits extending an=20
> inch or so back from the end) and was wrapped in red=20
> elec tape to hold it securely - this seems to work for=20
> okay (as long as I don't try and pull the enclosed=20
> section out too hard in which case it pops out)=20
> I would like to attempt to repair the fiberglass=20
> somehow - does anyone have experience with this or am I=20
> better off just leaving it alone?
> thanks Mike AB7RU=20
>=20

Date: Fri, 9 Aug 2002 14:30:27 -0400
From: "Thomas Tate" <t.r.tate@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
 <jroof@mindspring.com>
Subject: [131882] Re: DK9SQ mast repair question
Message-ID: <001601c23fd2\$db8984e0\$9c24ee41@r.tate>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Joe

Nice to know. I too broke the tip off mine. Since it is so flimsy, I left mine in the bottom of the largest tube not realizing it would get smashed when collapsing the mast. Fortunately, I only broke off about an inch or so. Since he is Walter's USA distributor, do you know if he will replace if you bought elsewhere? I bought mine at Dayton but not from Bill. I didn't even know Kanga sold them till later.

There was a fellow from Germany selling them. I thought it was Walter, DK9SQ but now I'm not sure. Can't find the receipt.

Tom WA7NPX

----- Original Message -----

From: "Joe Roof" <jroof@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, August 09, 2002 2:06 PM
Subject: Re: DK9SQ mast repair question

> When I broke the top section of mine, Bill Kelsey at Kanga US sent me a
> replacement for a very reasonable price. Can't remember now how much,

> but cheap enough so I wouldn't mess with trying to fix it.
> Kanga@bright.net
>
> 72
> Joe, w4jhr
>
>

Date: Fri, 9 Aug 2002 14:40:51 -0400
From: "Kenneth Stovel" <k2mpd@worldnet.att.net>
To: <qrp-l@lehigh.edu>
Cc: <NJQRP@NJQRP.ORG>
Subject: [131883] FS:Like new SWR Analyzer
Message-ID: <000701c23fd4\$4a243a20\$4e8c590c@pavilion>

For Sale: Like new MFJ -259B antenna analyzer
\$200.00 shipped.

Ken, K2MPD

Date: Fri, 09 Aug 2002 13:43:51 -0500
From: "Pederson, Glenn" <gpeder@elnet.com>
To: qrp-l@lehigh.edu
Subject: [131884] Re: Smith Chart
Message-ID: <3D53C717.32541.43733FC@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Karl,

I believe the HP 8751A is a network analyzer. More than likely what you are seeing on the screen is a frequency sweep -- the trail is the changing impedance over frequency.

On 9 Aug 2002 at 9:47, Karl F. Larsen wrote:

> The instrument has an oscilloscope that has a Smith Chart
> displayed with the load and source points displayed and looks like a trail
> of where they moved.

Glenn Pederson, WB9QIQ
gpeder@elnet.com

Date: Fri, 9 Aug 2002 14:47:11 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [131885] N7RVD
Message-ID: <159.1243752e.2a85682f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Brian
Can you send me your email address? I would like to talk to you about getting together locally with a few QRPers for coffee.

Alan KB7MBI in Woodinville, WA
FISTS 5702 Proud member of ARRL

Date: Fri, 09 Aug 2002 14:51:54 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: WD8CIV@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131886] Re: Dipole >?<
Message-ID: <3D540F4A.2F0B5EF3@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, in the interest of communication they should know enough of each other's specialty to carry on a decent conversation. The problem is not much different in avionics. They have analog engineers and digital engineers, and project and program managers. The managers have to be able to translate!

As far as practical experience is concerned, most of my antenna knowledge comes that way. However, I am careful, I think, to call a spade a spade (or a dipole a dipole)!

One other thought while it is burning away here. When you read about an antenna, ANY ANTENNA, don't think this is going to be my salvation. ANY antenna design only works as advertised where it was first installed.

To get the same, or similar performance at your QTH you must understand some of what makes it tick! Then, and only then, can you even begin to optimize it for your QTH!

73

Date: Fri, 09 Aug 2002 18:51:49 +0000
From: "Alan Fryer" <N3BJ@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [131887] Wanted: SW20 , problem rig OK
Message-ID: <OE55rpIn0nzKSiJ0LTW0000bab6@hotmail.com>

Looking for a Small Wonder SW20+ to package for use in the woods. No case, incomplete, no work OK.

Please let me know if you have one that is surplus to your needs.

Alan, N3BJ

Date: Fri, 9 Aug 2002 14:59:25 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131888] RE: DK9SQ mast repair question
Message-ID: <721D3436A7C2B344A301FD4A413C71A91617F5@kosh.ARRLHQ.ORG>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

I don't use my top section for anything. It appears way too flimsy. I = figure a 30-foot mast is quite good enough. :-)

73,=20
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----
> From: Thomas Tate [mailto:t.r.tate@worldnet.att.net]
> Sent: Friday, August 09, 2002 2:30 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: DK9SQ mast repair question
>=20
>=20
> Joe
> Nice to know. I too broke the tip off mine. Since it is so=20
> flimsy, I left
> mine in the bottom of the largest tube not realizing it would=20
> get smashed
> when collapsing the mast. Fortunately, I only broke off about=20
> an inch or so.
> Since he is Walter's USA distributor, do you know if he will=20
> replace if you
> bought elsewhere? I bought mine at Dayton but not from Bill.=20
> I didn't even
> know Kanga sold them till later.
> There was a fellow from Germany selling them. I thought it=20
> was Walter, DK9SQ
> but now I'm not sure. Can't find the receipt.
> Tom WA7NPX
>=20
> ----- Original Message -----
> From: "Joe Roof" <jroof@mindspring.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Friday, August 09, 2002 2:06 PM
> Subject: Re: DK9SQ mast repair question
>=20
>=20
> > When I broke the top section of mine, Bill Kelsey at Kanga=20
> US sent me a
> > replacement for a very reasonable price. Can't remember=20
> now how much,
> > but cheap enough so I wouldn't mess with trying to fix it.
> > Kanga@bright.net
> >
> > 72
> > Joe, w4jhr
> >
> >
>=20

Date: Thu, 8 Aug 2002 23:52:18 -0700
From: "Doug Hendricks" <ki6ds@dph.dpol.net>

To: <qrp-1@lehigh.edu>
Subject: [131889] Totally Off topic Query About Something I saw on the East Coast
Message-ID: <008101c23f71\$506beda0\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, a couple of years ago I saw a couple of guys at a flea market playing a gambling game. They had an 8 sided Brass Spinner that had the following on the faces:

PA (which meant Pay All)
TA (which meant Take All)
P1 (which meant Pay one)
T1 (which meant Take one)
P2 (which meant Pay two)
T2 (which meant Take two)
P3 (which meant Pay Three)
T3 (which meant Take Three)

The way the game was played was like this. Each player put a quarter into the pile. Then they took turns spinning the spinner and did what was indicated when it stopped. Each guy got a turn in succession and would spin one time and pass the device to the next guy. When the money was gone, they are re-anted, and the game continued. My question: Has anyone ever seen this game? And what is the brass spinner called? It looked to be made out of 5/8" Hex Brass Rod that was turned on a lathe and then stamped on the flat sides. Looked like a miniature top. Thanks, Doug (Sorry for the band width)

Date: Fri, 9 Aug 2002 15:22:26 -0400
From: "Charles W3KC" <w3kc@starpower.net>
To: <qrp-1@lehigh.edu>
Subject: [131890] re Milling Machines and Lathes
Message-ID: <006f01c23fda\$18d926a0\$9a092c42@w3kc>

Lindsay has some good books on the subject at reasonable prices. Also interesting books on regenerative receivers. A rather bizarre book on embalming is also available.
72 de Chas W3KC

Date: Fri, 9 Aug 2002 15:29:09 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
To: qrp-l@lehigh.edu
Subject: [131891] Re: DK9SQ mast repair question
Message-ID: <200208091930.g79JUQQH001594@hagus.bright.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I do supply replacement sections for the mast. They are \$10 ea plus \$5 s/h.

73 - Bill - N8ET
Kanga US
kanga@bright.net
<http://www.bright.net/~kanga/>
419-423-4604

Date: Fri, 9 Aug 2002 14:55:45 -0500
From: Karl Kanalz <kkanalz@gcecis.com>
To: "'ki6ds@dph.dpol.net'" <ki6ds@dph.dpol.net>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131892] RE: About Something I saw on the East Coast
Message-ID: <01C23FB5.6C283500@KKANALZ>

I believe, Doug, it is called "A Brass Spinner", sometimes known as "A Pointer That Goes Round-and-Round And Eventually Stops".

Sounds like an interesting game for the next ArkieCon! Maybe we could use Turkey Fries instead of quarters?

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: Doug Hendricks [SMTP:ki6ds@dph.dpol.net]
Sent: Friday, August 09, 2002 1:52 AM
To: Low Power Amateur Radio Discussion
Subject: Totally Off topic Query About Something I saw on the East Coast

Guys, a couple of years ago I saw a couple of guys at a flea market playing a gambling game. They had an 8 sided Brass Spinner that had the following on the faces:

PA (which meant Pay All)

TA (which meant Take All)
P1 (which meant Pay one)
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T2 (which meant Take two)
P3 (which meant Pay Three)
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The way the game was played was like this. Each player put a quarter into the pile. Then they took turns spinning the spinner and did what was indicated when it stopped. Each guy got a turn in succession and would spin one time and pass the device to the next guy. When the money was gone, they are re-anted, and the game continued. My question: Has anyone ever seen this game? And what is the brass spinner called? It looked to be made out of 5/8" Hex Brass Rod that was turned on a lathe and then stamped on the flat sides. Looked like a miniature top. Thanks, Doug (Sorry for the band width)

Date: Fri, 9 Aug 2002 16:08:06 -0400
From: "Howard Kraus" <K2UD@adelphia.net>
To: <qrp-1@lehigh.edu>
Subject: [131893] AA1MY, was that your Rock-mite last night?
Message-ID: <00ab01c23fe0\$79e3ed80\$07633018@buf.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry for the BW, but I don't know Seab's address. I heard you calling CQ quite a bit last night, couldn't respond as I had no xmtr! I was trying out a regen rcvr that I just got up and running. You were about 459 in Buffalo.

Also heard PP7AL on 40 around 0000Z on the same regen. I like it!

72 all

Howard Kraus, K2UD

Date: Fri, 9 Aug 2002 13:07:33 -0700
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-1@lehigh.edu>

Subject: [131894] 222 converter?
Message-ID: <GNEOLGDJDOPEALHJMKLCMEKHCIAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Anyone have a schematic for a minimalist 222 MHz converter? I want to run a 2m IF if possible, 6m is ok, would rather not do a 10m or 14 m converter ...

Actually, I'm not sure I need anything but an amplifier scheme (rx and tx) because I have a good mixer circuit. Bandpass filters, diplexer circuits, etc. or any other helpful info would be greatly appreciated.

I think there is a decent contingent of guys in the local area that are into homebrew that hang out on 220 FM. I'd like to check them out. I figure since there's so little equipment available for 220, the people there are either home-brewers or equipment modifiers - close enough to home brew for me ;)

Thanks a billion!
Tracy N4LGH

Date: Fri, 9 Aug 2002 16:20:30 -0400
From: "Charles W3KC" <w3kc@starpower.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [131895] Re: Totally Off topic Query About Something I saw on the East Coast
Message-ID: <000d01c23fe2\$35b7ec40\$be0f2c42@w3kc>

Sounds to me like a modern day corporate management training exercise except they modified it so that when the money was gone there wasn't any left to re-ante.

----- Original Message -----
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, August 09, 2002 2:52 AM
Subject: Totally Off topic Query About Something I saw on the East Coast

> Guys, a couple of years ago I saw a couple of guys at a flea market playing
> a gambling game. They had an 8 sided Brass Spinner that had the following

> on the faces:
>
> PA (which meant Pay All)
> TA (which meant Take All)
> P1 (which meant Pay one)
> T1 (which meant Take one)
> P2 (which meant Pay two)
> T2 (which meant Take two)
> P3 (which meant Pay Three)
> T3 (which meant Take Three)
>
> The way the game was played was like this. Each player put a quarter into
> the pile. Then they took turns spinning the spinner and did what was
> indicated when it stopped. Each guy got a turn in succession and would spin
> one time and pass the device to the next guy. When the money was gone, they
> are re-anted, and the game continued. My question: Has anyone ever seen
> this game? And what is the brass spinner called? It looked to be made out
> of 5/8" Hex Brass Rod that was turned on a lathe and then stamped on the
> flat sides. Looked like a miniature top. Thanks, Doug (Sorry for the band
> width)
>
>

Date: Fri, 9 Aug 2002 13:14:41 -0700 (PDT)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: robink@us.ibm.com,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131896] Re: OT: Good Mobile Antenna for QRP
Message-ID: <20020809201441.11993.qmail@web14208.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

What type of mount are you using for the antenna?

The radio also needs to be grounded.

Any good mobile antenna will work for QRP. The few times I have been mobile, a "Hamstick" 2 meter with a 3mag mag mount and my Z-11 works on 10 to 40 meters. The rig is the QRP Scout. Notice I said works, not works well on all bands. The higher the better. The mag mount sits in the middle of the bed of my pick-up which provides a fair ground plane, as mobile ground planes go.

We can't tell what your problem is with out knowing the type of mount and what it is mounted on. Roof, rear deck. fender, etc.

The radio should be grounded also.

73 for now,

Bill kc4atu

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<http://www.hotjobs.com>

Date: Fri, 9 Aug 2002 13:21:45 -0700 (PDT)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: hosinsky@jet.es,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131897] Re: Inverted Vee with single wire feedline
Message-ID: <20020809202145.86388.qmail@web14201.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Sounds like a random wire to me which is 3/4 wave on 20 meters. Nothing more, nothing less.

73 Bill kc4atu

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<http://www.hotjobs.com>

Date: Fri, 9 Aug 2002 16:29:08 -0400
From: "ss lyon" <sslyon@megalink.net>
To: <K2UD@adelphia.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131898] Re: AA1MY, was that your Rock-mite last night?
Message-ID: <00ef01c23fe3\$69d9c240\$aac7e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yep... that were me and "RM", all right. I'll be on tonite, too, "portable back yard" with dedicated resonant 40m antenna to improve chances. Where are you located, Howard... you sound familiar.

72

"Seab" Lyon - AA1MY
Bethel, ME 04217 USA
N 44.3890 - W 70.8450
FN44nj aa1my@arrl.net

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm
----- Original Message -----
From: "Howard Kraus" <K2UD@adelphia.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, August 09, 2002 4:08 PM
Subject: AA1MY, was that your Rock-mite last night?

> Sorry for the BW, but I don't know Seab's address. I heard you calling CQ
> quite a bit last night, couldn't respond as I had no xmtr! I was trying out
> a regen rcvr that I just got up and running. You were about 459 in Buffalo.
>
> Also heard PP7AL on 40 around 0000Z on the same regen. I like it!
>
> 72 all
>
> Howard Kraus, K2UD
>

Date: Fri, 09 Aug 2002 15:36:24 -0500
From: Dave Hottell <hottell@gulftel.com>
To: k1vp@grizzly.com,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [131899] Re: Dipole >?<
Message-ID: <3.0.6.32.20020809153624.00da6df0@pop.gulftel.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ed and all,

>Lastly, a doublet may or may not be a dipole based upon the above?
>

Here is what Terman (Radio Engineers Handbook, 1943 edition) has to say about a doublet:

"A doublet consists of a length of conductor (antenna) short compared to a wave length, which is assumed to have such large capacity area at its ends that the current throughout the length of the conductor can everywhere be considered the same."

So according to one of the more reliable sources, a doublet is basically what EZNEC refers to as a segment. It is the basis upon which all antenna pattern calculations are built. In order to calculate the energy field, the current is assumed to be the same throughout the length. You string them end-to-end to make an antenna, with the current appropriately different in each.

I guess anyone can use what ever term they wish so long as they make clear what it is they are speaking of.

Now, what we need, is for someone to tell us the meaning of 'is'!

73 es gl,
Dave
AB9CA/4

At 10:35 AM 8/9/02 -0400, Ed Lawson wrote:

>Steve Blary wrote:

>

>>no, because not all antennas would have the same current/voltage

>>distributions that make a dipole behave like a dipole.

>>

>>

>>

>Then would it be fair to say that any antenna which duplicates the

>current/voltage distributions found along one side of the "classic"

>center fed 1/2 wave dipole can be called a dipole?

>

>And to follow up on Jerry's (W3CDE) post, whether a single wire antenna

>is a dipole or a monopole depends on the current/voltage distribution

>along its length?

>

>Lastly, a doublet may or may not be a dipole based upon the above?
>
>Ed lawson
>K1VP
>Who is trying to learn about dipoles
>
>

Date: Fri, 9 Aug 2002 13:46:15 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: "Art Horne" <a.horne@verizon.net>,
 "bob baxter" <rbaxter@cybertrails.com>,
Subject: [131900] RE: [Elecraft] Motorola Speaker
Message-ID: <MABBJOEABOILMKCJCLFCOEADIAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

As I recall, the Motorola amplified speakers are straight through devices.
The volume is controlled by the volume control in the driving radio.
You should see wires for +12v, -12v, audio hot at 4 ohms, and maybe a
separate ground for audio drive. There isn't anything else there that I
recall.
73, Bob N6WG

-----Original Message-----
From: elecraft-admin@mailman.qth.net
[mailto:elecraft-admin@mailman.qth.net]On Behalf Of Art Horne
Sent: Thursday, August 08, 2002 7:15 PM
To: bob baxter; Elecraft; QRP-L
Subject: RE: [Elecraft] Motorola Speaker

That makes two of us. Mine came today too. I think red and orange
are +12, black and brown are ground but I couldn't get any of the
other three to do anything. The speaker is 3.2 ohm 20W. I'd appreciate
any feedback if someone gets it working. TIA

73

Art K6KFH

> -----Original Message-----
> From: elecraft-admin@mailman.qth.net
> [mailto:elecraft-admin@mailman.qth.net]On Behalf Of bob baxter

> Sent: Thursday, August 08, 2002 4:53 PM
> To: Elecraft; QRP-L
> Subject: [Elecraft] Motorola Speaker
>
>
> I need some help, folks. I received a Motorola amplified speaker today
> and am trying to figure out what goes where. It has a seven wire plug
> and so far I've figured out black and brown are ground and maybe red is
> 12V, but that leaves blue, white, green, and orange. I need audio in
> and volume pot connections. Anybody have any ideas? TIA
> Bob Baxter AA7EQ
> Bisbee, Az.
>
>
> ---
> Outgoing mail is certified Virus Free.
> Checked by AVG anti-virus system (<http://www.grisoft.com>).
> Version: 6.0.380 / Virus Database: 213 - Release Date: 7/24/2002
>
>
> -----
> Elecraft mailing list: Elecraft@mailman.qth.net
> You must be a list member to post to the list.
> Postings must be plain text (no HTML or attachments).
> See: <http://mailman.qth.net/mailman/listinfo/elecraft>
> Elecraft Web Page: <http://www.elecraft.com>
>

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Elecraft Web Page: <http://www.elecraft.com>

Date: Fri, 09 Aug 2002 20:51:15 +0000
From: "Alan Fryer" <N3BJ@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [131901] WTB: SST
Message-ID: <0E35RaqbC8wSA1XvpFV0000baa9@hotmail.com>

Wanted: Original or Wilderness SST transceiver for 40M or 20M. Problem rig,
smoked, missing parts, half-built OK. If you have one not usable or working but
not being used, please let me know.

Alan, N3BJ
Bent Mountain, VA

Date: Fri, 9 Aug 2002 13:58:44 -0700
From: "johngabbard" <johngabbard@usintouch.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131902] WTB:
Message-ID: <00ff01c23fe7\$8cea0f20\$de811c0c@juanita>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I need a 25 or 35 amp MFJ switching power supply. thanks john...KF7OM

Date: Fri, 9 Aug 2002 14:03:22 -0700
From: "Doug Hauff" <dhauff@digitalputty.com>
To: <ki6ds@dph.dpol.net>
Cc: <qrp-l@lehigh.edu>
Subject: [131903] Re: Totally Off topic Query About Something I saw on the East Coast
Message-ID: <000f01c23fe8\$4b3dd060\$5f393442@fix.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey Doug,

One of my biker buddies had the same game, only it was a six-sided spinner, so i imagine it did not have P3 + T3, but worked the same...i've been hoarding a piece of aluminum hex stock with which i been planning on making a few....in my spare time, of course....want one?

Doug KE6RIE

----- Original Message -----
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, August 08, 2002 11:52 PM
Subject: Totally Off topic Query About Something I saw on the East Coast

> Guys, a couple of years ago I saw a couple of guys at a flea market playing
> a gambling game. They had an 8 sided Brass Spinner that had the following
> on the faces:
>
> PA (which meant Pay All)
> TA (which meant Take All)
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> P2 (which meant Pay two)
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> P3 (which meant Pay Three)
> T3 (which meant Take Three)
>
> The way the game was played was like this. Each player put a quarter into
> the pile. Then they took turns spinning the spinner and did what was
> indicated when it stopped. Each guy got a turn in succession and would spin
> one time and pass the device to the next guy. When the money was gone, they
> are re-anted, and the game continued. My question: Has anyone ever seen
> this game? And what is the brass spinner called? It looked to be made out
> of 5/8" Hex Brass Rod that was turned on a lathe and then stamped on the
> flat sides. Looked like a miniature top. Thanks, Doug (Sorry for the band
> width)
>

Date: Fri, 9 Aug 2002 14:06:51 -0700
From: "Doug Hauff" <dhauff@digitalputty.com>
To: <qrp-1@lehigh.edu>
Subject: [131904] Rock Mite Enclosures!
Message-ID: <001001c23fe8\$cab02820\$5f393442@fix.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

OK, OK, I know I'm nuts but I'm gonna make a CNC box for my 'Mite, so since I'll have the program & setup, might as well make a few, huh? I'm thinking simple/cheap...no fancy engraving or parts kit, just a very compact CNC hogout enclosure, anodized, about 20 bucks out the door...anyone interested?

72,

Doug KE6RIE

Date: Fri, 9 Aug 2002 16:11:4 -0500
From: "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>
To: "Doug Hauff" <dhauff@digitalputty.com>,
"qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [131905] RE: Rock Mite Enclosures!
Message-ID: <41200285921114297@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Hey Doug:

I will definitely buy one, even though thus far I do not have my Mite kit yet. Please let me know when to send the funds. Thanks.

73,

--Doc/K0EVZ

> [Original Message]
> From: Doug Hauff <dhauff@digitalputty.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Date: 8/9/2002 4:06:51 PM
> Subject: Rock Mite Enclosures!
>
> OK, OK, I know I'm nuts but I'm gonna make a CNC box for my 'Mite, so
since
> I'll have the program & setup, might as well make a few, huh? I'm
thinking
> simple/cheap...no fancy engraving or parts kit, just a very compact CNC
> hogout enclosure, anodized, about 20 bucks out the door...anyone
interested?
>
> 72,
>
> Doug KE6RIE

--- Doc Lin

Date: Fri, 9 Aug 2002 14:22:16 -0700
From: Conrad Weiss <radman@best.com>
To: "'Doug Hauff'" <dhauff@digitalputty.com>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131906] RE: Rock Mite Enclosures!
Message-ID: <01C23FB0.2A17EC00@209-162-49-4.thegrid.net>

Hmmm,

Doug, did you say this custom RockMite box is Doug Hauff >> BLUE << ?! :)
For 20 bux?? Woa... now where did I put my check book.... :)

Could we see a pictoid on your web site?

Best,

Conrad
NN6CW

From: Doug Hauff[SMTP:dhauff@digitalputty.com]
Sent: Friday, August 09, 2002 2:07 PM
To: Low Power Amateur Radio Discussion
Subject: Rock Mite Enclosures!

OK, OK, I know I'm nuts but I'm gonna make a CNC box for my 'Mite, so since I'll have the program & setup, might as well make a few, huh? I'm thinking simple/cheap...no fancy engraving or parts kit, just a very compact CNC hogout enclosure, anodized, about 20 bucks out the door...anyone interested?

72,

Doug KE6RIE

Date: Fri, 9 Aug 2002 15:28:21 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Doug Hauff <dhauff@digitalputty.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131907] Re: Rock Mite Enclosures!
Message-ID: <Pine.LNX.4.44.0208091525310.3672-1000000@Daisy.dog>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Motorcycle Doug! This is OLD Karl at Tuthill where I won a Rock Mite and will need an enclosure. Yours sounds very nice...I like cheap. Let us know when your ready. Make mine the same light blue your key has.

On Fri, 9 Aug 2002, Doug Hauff wrote:

> OK, OK, I know I'm nuts but I'm gonna make a CNC box for my 'Mite, so since
> I'll have the program & setup, might as well make a few, huh? I'm thinking
> simple/cheap...no fancy engraving or parts kit, just a very compact CNC
> hogout enclosure, anodized, about 20 bucks out the door...anyone interested?
>
> 72,
>
> Doug KE6RIE
>
>

--
Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Fri, 09 Aug 2002 11:36:42 -0700 (PDT)
From: Nelson Winter <thenels@go.com>
To: qrp-l@lehigh.edu
Subject: [131908] Re: UPDATED: the Rock-Mite files
Message-ID: <3489063.1028918202450.JavaMail.thenels@gomailjtp01>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Nice Site!

One of the images on the site has a blue square box drawn around something poking through the case, but I can't make it out. Is it a switch of some sort?

WB6DWD
Nelson Winter

-----Original Message-----

From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Date: Thu Aug 08 21:54:02 PDT 2002
Subject: UPDATED: the Rock-Mite files

>Folks,
>
>I added a small photo essay on how I prepared my Altoids tin for my
>Rocky-Mountain Rock-Mite. Making an enclosure for your Rock-Mite is very
>easy, even with the most simple tools. It only took an hour or so.
>
>I did leave step "ZERO" out of the instructions: Buy a tin of Algoids,
>deposit contents in suitable alternative container. ;-)
>
>Enjoy!
>
>"the Rock-Mite files" <http://www.radioactivehams.com/~n0rc/rm/>
>
>Do you "Rock-Mite"? If so please consider sending me you Photos,
>stories, building tips...whatever for inclusion in, "the Rock-Mite
>files". Details at:
>
>http://www.radioactivehams.com/~n0rc/rm/Stories/The_Rock-Mite_Files.txt
>
>
>73, Rod N0RC
>
>
>

GO.com Mail
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Date: Fri, 9 Aug 2002 15:07:07 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Robin Kidd <robink@us.ibm.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [131909] Re: OT: Good Mobile Antenna for QRP
Message-ID: <Pine.LNX.4.44.0208091502001.3317-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Robin, this is sure on topic. If you can't make a contact with 100 watts something is wrong. Let me ask some questions:

1. Where is the antenna located?
2. What model and year of car?
3. How long is your coax from the rig to the antenna?
4. What kind of coax?
5. Where do you connect the shield side of the coax at the antenna?

Please pass along this information and I can help you. I work QRP mobile all the time.

On Fri, 9 Aug 2002, Robin Kidd wrote:

> I know this is a little off topic but I am stumped. I have an IC-706MKIIG
> mobile connected to a Hustler 20m antenna. I am using an MFJ tuner and
> seem to get about 1.5:1 SWR. The problems are two: (1) On 20M I am getting
> a tremendous amount of static. (2) I have been trying for 4 weeks to get
> someone to answer my call. I am looking for help here. If I can get the
> antenna to radio combination working good I want to turn the power down to
> 5 watts to work QRP. By the way the antenna does not have a ground wire
> connected, is that my problem? Thanks in advance.

>

> Also thanks to everyone who responded to my questions about the magnetic
> loop - got some great links. Thanks again...

>

> Regards,

>

> Robin J. Kidd

> KG4RSQ

>

> Remember, the Ark was created by inspired amateurs but the Titanic was
> created by professionals...

>

> kg4rsq@arrl.net

>

>

>

>

--

Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Fri, 09 Aug 2002 18:17:03 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@lehigh.edu
Subject: [131910] NH AT, SATURDAY
Message-ID: <3.0.6.32.20020809181703.007ad100@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I'm gonna go out and try to operate from the AT again this weekend. This time I'm gonna tripple check to see that I have everything I need to get on the air! (Last two times, I forgot at least one critical item)

So, with luck, I'll be up at the Gention Pond Shelter, using an "88" doublet (or is it dipole, or is it a extended double zepp?) on 40 and 20, CW, in the usual spots. Will be on late in the afternoon, then hopefully well into the evening, hopping between the two bands.

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Fri, 9 Aug 2002 15:04:20 -0700 (PDT)
From: Wayne AA5JJ <aa5jj@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [131911] FS: & WTB: Kenwood CW Filters
Message-ID: <20020809220420.43419.qmail@web10502.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hello I am looking for a used CW filter for my Kenwood TS690 it is the same as the TS450 but has 6 meters am also wanting a CW filter for my TS930.

Kenwood TS690 = YK88C-1 OR YK88CN-1
Kenwood TS930 = YG-455C-1 OR YG-455CN-1

Have for sale or trade Kenwood TS520 CW filter
YG-3395C.....60.00 SHIPPED

Thanks for reading and God bless Wayne AA5JJ

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<http://www.hotjobs.com>

Date: Fri, 9 Aug 2002 17:06:26 -0500

From: "Jim NOUR" <n0ur@attbi.com>

To: "QRP-L" <qrp-l@lehigh.edu>

Subject: [131912] FOX: NOUR

Message-ID: <000501c23ff1\$03ba3b80\$6a202942@ce1.client2.attbi.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 8bit

Again, I am a "bridesmaid" to Al K0FRP, he always just beats me out, his 78 to my 75 Qs. The DX stations were fun. As usual starts out with a flurry, and went over 15 minutes without a call in the last half hour. I hope I worked everyone in there. Here is the first draft of my log. Thanks to all who showed up.

0201	W5YR	579 559 TX GEORGE 5w
0201	K5JHP	579 559 TX BILL 5w
0202	N4ROA	579 579 VA DAN 5W
0202	NK6A	559 559 CA DON 5W
0203	K4FB	579 589 FL PAUL 5
0203	K3PH	579 579 PA BOB 5W
0204	NM5M	559 559 TX ERIC 5w
0204	K4MF	559 559 FL GARY 5W
0205	K5ZTY	579 559 TX BILL 5
0205	K3IU	559 559 RI KEN 5W
0206	AJ4AY	579 559 AL JAY 4W
0206	N5ZE	559 559 TX LEW 5W
0207	N1TP	559 579 FL TOM 5W
0208	KB7WW	559 559 OR ART 5W
0208	KG4LDY	579 559 VA JIM 5W
0209	NQ7X	559 559 AZ FLOYD 5W
0210	K3ESE	579 599 MD LLOYD 5W
0210	N3XRV	579 599 PA CHRIS 5w
0211	VA6RF	559 599 AB EARL 5W
0212	WA2DGD	559 579 PA LARRY 4W
0212	K4GT	599 599 GA JIM 5W
0213	AC7A	559 559 AZ TOM 5W

0213	N3BJ	579	579	VA	ALAN	5W
0214	K5DW	579	599	TX	DON	5W
0214	W5USJ	559	559	TX	CHUCK	5w
0215	K5EOA	599	559	LA	WAYNE	5w
0216	N5YFC	579	559	LA	WAYNE	5w
0217	AF4PS	559	559	FL	MAC	3W
0218	AA50/4	559	559	FL	VERN	5W
0219	NN5E	559	559	TX	VERN	5
0220	K4BYF	579	559	FL	JACK	3W
0220	N5IB	559	559	LA	JIM	5W
0221	N6REF	579	579	TX	MARTIN	5w
0223	K5DI	579	589	NM	KARL	5W
0224	N1FN	559	559	CO	ET	5W
0224	VE6JAZ	559	559	AB	ROB	5W
0225	K4BAI	579	599	GA	JOHN	5W
0225	AB9CA	579	559	AL	DAVE	5W
0227	AA1ZX	579	599	MA	ED	5W
0228	KZ5J	559	599	TX	PAT	4W
0232	K5TR	559	599	TX	GEO	5MW
0232	N0HRL	559	559	MN	KEN	5W
0235	W4NJK	559	559	CA	CHARLIE	5w
0236	N9NE	559	559	WI	TODD	5W
0239	K5LSU	579	559	LA	MIKE	500
0240	K5QK	579	569	LA	DON	5W
0242	WD5CMA	559	559	LA	GLORIA	100mw
0243	N5FFF	579	599	LA	WAYNE	5W
0245	W4YN	599	599	NC	TIM	4W
0246	W9UQB/7	559	559	AZ	MIKE	5W
0250	RX3AP	579	569	DX	YURI	200w
0252	AA4LR	579	599	GA	BILL	5W
0254	K5YQF	579	589	TX	CECIL	100w
0255	VE3FAL	579	559	ON	FRED	5W
0256	K7IE	559	559	OR	CLAIR	5W
0259	RA1QV	559	559	DX	EUGEN	50w
0304	VE7HHH	559	579	BC	BLAIR	5W
0307	K7TQ	559	559	ID	RANDY	100mw
0310	UA3MCQ	579	599	DX	ALEX	100w
0313	WD5RS	579	559	TX	RUSS	4W
0314	N1WPU	579	599	ME	TED	5W
0315	WE9K	559	559	WI	GLENN	5W
0316	K5WAF	579	569	TX	BILL	5W
0317	N9WW/1	579	559	ME	JIM	5W
0320	LZ2RS	559	559	DX	RUMI	5W
0321	KV2X	559	559	NY	TOM	5W
0322	AL7FS	559	559	AK	JIM	5W
0329	WA9TZE	559	579	WI	JIM	5W
0331	K2TVY	579	599	NJ	FRANK	300mw
0334	KG6CYN	559	559	CA	TREV	5w

0349	OK2BGN	579 569	DX STAN 80W
0356	W9XU	599 599	WI LON 5W
0358	N5IW	559 559	TX DAVE 5W
0400	K0FRP	599 599	CO AL FOX
0400	N0UR	599 599	MN JIM FOX

Date: Fri, 09 Aug 2002 18:28:08 -0400
From: Dave Richards <wr3i@earthlink.net>
To: tracy@bytemark.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131913] Re: 222 converter?
Message-ID: <5.1.1.6.2.20020809182552.009ea0c0@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Tracy Check out down East Microwave web site I think you will find it under
DEM ??something
They do Kits ant infor on all VHF/UHF and micro wave for the weak signal guys
Dave
WR3I

At 01:07 PM 8/9/2002 -0700, Tracy Markham wrote:

>Anyone have a schematic for a minimalist 222 MHz converter? I want to run a
>2m IF if possible, 6m is ok, would rather not do a 10m or 14 m converter ...
>
>Actually, I'm not sure I need anything but an amplifier scheme (rx and tx)
>because I have a good mixer circuit. Bandpass filters, diplexer circuits,
>etc. or any other helpful info would be greatly appreciated.
>
>I think there is a decent contingent of guys in the local area that are into
>homebrew that hang out on 220 FM. I'd like to check them out. I figure since
>there's so little equipment available for 220, the people there are either
>home-brewers or equipment modifiers - close enough to home brew for me ;)
>
>Thanks a billion!
>Tracy N4LGH

Date: Fri, 09 Aug 2002 18:38:37 -0400
From: John Wagner <john@wagner-usa.net>
To: <robink@us.ibm.com>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131914] Re: OT: Good Mobile Antenna for QRP
Message-ID: <B979BCAC.3F73%john@wagner-usa.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Hi Robin,

I have that *exact* setup in my car, and I make contacts (w/100w) on a regular basic.

My antenna is mounted on the rear of my Mazda with a mag mount, I think from MFJ. I do not use a tuner, rather I adjusted the antenna until I had a good match in the section of the band I was interested (14.000 - 14.100). If you haven't done so, learn to use the SWR Graph on the IC-746MKIIG, it's really handy.

Things to check;

Is your power cord resonant on 20m. i.e. Figure out how long a 1/4 wavelength on 20m, and make sure your power cord isn't that length.

I connect my power cord directly to the hot terminal on the car battery and the negative end to the body. Some people connect elsewhere, I find it best to do it this way.

Something else to try; go to Radio Shack and pick up a ferrite insulator. I forgot the exact name, but it's sort of a square that pops open so you run your wire through it a few times and then close it again.

When you say your antenna doesn't have a ground wire, what exactly do you mean by that? Is it a mag mount? If so, it's got an RF ground.

Also, QRP from the vehicle is possible (I've done it with the 706 and my ex-817), but with a compromise antenna (i.e. anything mounted to your vehicle for HF below 10m) you're going to probably want to run more power. Listen to the beacons on 14.100Mhz from your car, when they do the 100w, 10w, .1w beep at the end of the call think about how weak they sound at 10w - you'll be about there yourself.

73,

John, N1Q0

--

John Wagner - john@wagner-usa.net - john@neknetwork.com
http://www.neknetwork.com/

> From: "Robin Kidd" <robink@us.ibm.com>
> Reply-To: robink@us.ibm.com
> Date: Fri, 9 Aug 2002 13:09:27 -0400
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Subject: OT: Good Mobile Antenna for QRP
>
> I know this is a little off topic but I am stumped. I have an IC-706MKIIG
> mobile connected to a Hustler 20m antenna. I am using an MFJ tuner and
> seem to get about 1.5:1 SWR. The problems are two: (1) On 20M I am getting
> a tremendous amount of static. (2) I have been trying for 4 weeks to get
> someone to answer my call. I am looking for help here. If I can get the
> antenna to radio combination working good I want to turn the power down to
> 5 watts to work QRP. By the way the antenna does not have a ground wire
> connected, is that my problem? Thanks in advance.
>
> Also thanks to everyone who responded to my questions about the magnetic
> loop - got some great links. Thanks again...
>
> Regards,
>
> Robin J. Kidd
> KG4RSQ
>
> Remember, the Ark was created by inspired amateurs but the Titanic was
> created by professionals...
>
> kg4rsq@arrl.net
>
>
>
>

Date: Fri, 9 Aug 2002 15:40:45 -0700
From: "Doug Hauff" <dhauff@digitalputty.com>
To: <qrp-1@lehigh.edu>
Subject: [131915] 'Mite Enclosures: J.C. On Roller Skates! Now I've done it!
Message-ID: <006c01c23ff5\$e4410900\$5f393442@fix.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Wow! Whatta response! I just got my 'Mite kit, I'll get it together this weekend, design the enclosure around it, and start on a prototype...watch my page www.americanmorse.com for details on ordering etc...it'll probly be a week before it is all definite...but figger about 20-22 bucks ppd...Blue anodized...and center drilled inside to mount the Porta Paddle!

I must be nuts...

Doug KE6RIE

Date: Fri, 09 Aug 2002 17:37:02 -0500
From: Lew Paceley <lew@paceley.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Cc: dhauфф@digitalputty.com
Subject: [131916] Re: Rock Mite Enclosures!
Message-ID: <000701c23ff5\$47f0dc60\$6501a8c0@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=Windows-1252
Content-transfer-encoding: 7BIT

Hi Doug,
I'll definitely take two. Let me know how to pay you. Tnx es

72/73,
Lew
N5ZE

Date: Fri, 09 Aug 2002 18:43:19 -0400
From: Jim Campbell <jim-c@nc.rr.com>
To: n3aaz-qrp@juno.com,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131917] Re: Dipole >?< "end fed"
Message-ID: <3D544587.3CBB7AF@nc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'm behind in reading my e-mail, so I hope that someone else hasn't

already beat me to this. If so, I apologize.

Reminds me of a similar story about a mathematician and an engineer. They were placed across the room from a pretty girl. They were told that they could go kiss the girl, but could only go half the distance with each move. The mathematician sat down and cried, realizing that he could never get there. The engineer got a big smile on his face and started. He figured that he could get close enough for all practical purposes.

72/73,

Jim
W4BQP

John R Kirby wrote:

<snip>

>

> I now see an 'end fed dipole' like a frog siting on the middle of a log.

> He wants to go to the end and feed.

> But . . . he can only jump half way each time.

> How many jumps are required for the frog to reach the end log and feed?

>

> I conclude . . .

> death by starvation.

>

Date: Fri, 9 Aug 2002 15:51:00 -0700

From: Conrad Weiss <radman@best.com>

To: "'Doug Hendricks'" <ki6ds@dph.dpol.net>,

Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [131918] RE: Totally Off topic... (Put 'n Take) ...

Message-ID: <01C23FBC.8F91E520@209-162-49-4.thegrid.net>

Doug,

The game you're referring to is commonly known as, "Put 'n Take." It's played with a machined "top" [or 'spinner' or 'die'] that's stamped or embossed with the various markings you've described. Amazingly, [or not] the Brits claim they invented "Put 'n Take" as a pub game - dating back to Victorian times. The Brits say the spinner is 'hexagonal.' No doubt 'octagonal' versions can be found in various corners of the uncivilized world - such as, America ;)

For 8 UK Pounds, you can buy the Brit version of the game from a UK web

site named [amazingly] -- <http://www.putntake.co.uk/>

Now, speaking as an American, their price seems even more audacious than that silly tea tax that we rumbled about sometime back ;) Perhaps Mr. Hauff will come up with an octagonal spinner at a more favorable price. NorCal could sell to the Brits for 8 UK Pounds [VAT included] - then simply dump the profits into the NorCal coffers ;)! Brass. Blue.... take your choice....:~)!

I'd better leave it at that before I've created some international blunder ;~)!

Your spin, sir!!

73,

Conrad Weiss
NN6CW

From: Doug Hendricks[SMTP:ki6ds@dph.dpol.net]
Sent: Thursday, August 08, 2002 11:52 PM
To: Low Power Amateur Radio Discussion
Subject: Totally Off topic Query About Something I saw on the East Coast

Guys, a couple of years ago I saw a couple of guys at a flea market playing a gambling game. They had an 8 sided Brass Spinner that had the following on the faces:

PA (which meant Pay All)
TA (which meant Take All)

/// chomp///

End of QRP-L Digest 2642

